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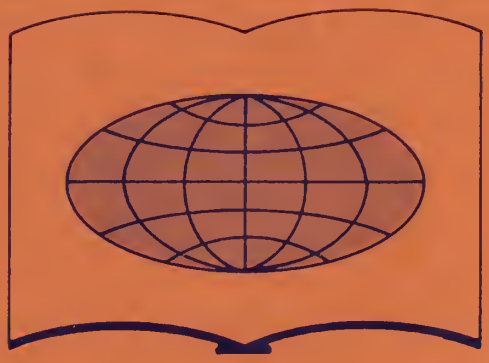

Volume 5 Number 21
October 17, 1969

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PESTICIDES DOCUMENTATION BULLETIN

Volume 5
October 17, 1969
Number 21

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
Associated documentation

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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TABLE OF CONTENTS

BIBLIOGRAPHY (Citations)

	Page
10 ENTOMOLOGY	1
Systematics	1
Physiology and Biochemistry	3
Genetics	10
Medical Entomology	10
20 CROP PROTECTION	11
Diseases	11
Arthropods	14
Nematodes	15
Weeds	16
Other Pests	*
30 LIVESTOCK PROTECTION	17
Diseases	17
Arthropods	20
Parasites	20
40 COMMODITY PROTECTION	22
Storage Diseases	22
Arthropods	23
Rodents and Other Pests	23
Microbial Contamination	23
50 ENVIRONMENTAL CONTAMINATION	23
55 RESIDUES	23
60 TOXICOLOGY	23
65 PLANT PHYSIOLOGY & BIOCHEMISTRY	24
70 CHEMISTRY	24
80 ENGINEERING	25
90 INDUSTRY	25
Economics	*
Education	*
Regulations	25
SUBJECT INDEX	27
BIOGRAPHICAL INDEX	81
AUTHOR INDEX	89
ORGANIZATIONAL INDEX	93

*This issue does not contain citations under this category.

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ENTOMOLOGY

SYSTEMATICS

12331-69
REVISION OF THE GENUS PHLEBOTOMUS OF ARICA SOUTH OF THE ZAMBESI, KEY FOR THE IDENTIFICATION AND DESCRIPTION OF: P. SALISBURIENSIS N. SP., P. ZUMPTI N. SP. AND P. HAESELBARTHI N. SP., (DIPTERA-PSYCHODIDAE). (FR)
E Abonnenc
Entomol Med Cahiers 5(1):3-19 REF
1967 SB931.A1O3
Insect identification, Insect taxonomy, Medical entomology, Phlebotomus, Psychodidae. English summary

12332-69
GEOGRAPHIC DISTRIBUTION OF ANOPHELES IN THE REPUBLIC OF CONGO (BRAZZAVILLE). (FR)
J P Adam
Entomol Med Cahiers (2):73-82 MAP REF
Oct 1964 SB931.A1O3
Anopheles, Medical entomology, Zoogeography.

12333-69
NEW AND LITTLE-KNOWN INDIAN CRANEFLIES (TIPULIDAE, DIPTERA) I.
C P Alexander
Oriental Insects 1(3/4):197-208
Dec 1967 QL461.O7
Insect taxonomy, Tipulidae, Zoogeography.

The new species described are; forimarga (O.) pachyrhyncha, Limonia (Afrolimonia) indra, L. (L.) submurcida, L. (Goniodineura) magnisiva, L. (Dicranomyia) amblymorpha, L. (D.) pristomera, L. (geranomyia) seccanica, and L. tigriventris.

12334-69
STUDIES ON THE SPECIES OF XYLAPLOTHRIPS PRIESNER FROM INDIA.
T N Ananthakrishnan A Jagadish
Zool Anz 182(1-2,JAN-FEB):121-133
Feb 1969 410 Z7
Insect taxonomy, Thripidae, Thysanoptera.

12335-69
ON SOME SPECIES OF TAENIOTHRIPS SERVILLE AND THRIPS LINN WITH FURTHER NOTES ON HYALOPTEROTHRIPS ROONNSALI BHATTI FROM INDIA.
T N Ananthakrishnan A Jagadish
Zool Anz 182(1-2,JAN-FEB):113-121
Feb 1969 410 Z7
Insect taxonomy, Taeniothrips, Thrips, Thysanoptera.

12336-69
TABANIDAE. (FR)
M P Aradi
Entomol Med Cahiers 4(7):43-74
Sep 1966 SB931.A1O3
Illustrations, Insect taxonomy, Insect vectors, Medical entomology, Parasitism, Predaceous insects, Tabanidae, Zoogeography. Taxonomic description of about 200 species.

Translated from the Hungarian by E. Simonkovich. extract from Fauna Hungariae 14(Diptera,1-9) 1958, published by Akademiai Kiado Budapest.

12337-69
DROSOPHILA ANDALUSIACA, A POLYMORPHIC SPECIES NEW TO HOLLAND.
J A Beardmore
Arch Neer Zool 17(2):275-277
Jun 1967 410 AR27
Drosophila andalusiaca, Insect genetics, Polymorphism, Surveys.

12338-69
THE SUBSPECIES OF RHINOCORIS IRACUNDUS (PODA), 1761 (HETEROPTERA, REDUVIIDAE).
P Benedek
Zool Anz 182(1-2,JAN-FEB):139-143
Feb 1969 410 Z7
Insect taxonomy, Reduviidae, Surveys.

12339-69
THE TRYPHACTOTHRIPS-COMPLEX IN INDIA, WITH A KEY TO THE WORLD GENERA (THYSANOPTERA: THRIPIDAE).
J S Bhatti
Oriental Insects 1(3/4):139-191 REF
Dec 1967 QL461.O7
Insect taxonomy, Thripidae, Thysanoptera, Zoogeography.

12340-69
STUDIES ON INDIAN CRICKETS (ORTHOPTERA: INSECTA), PART I.
H K Bhowmik
Zool Anz 182(1-2,JAN-FEB):143-152
Feb 1969 410 Z7
Gryllidae, Insect taxonomy, Surveys.

12341-69
FOUR METHODS OF SAMPLING TO MEASURE POPULATIONS OF ALFALFA WEEVIL LARVAE.
C C Blickenstaff J L Huggans
J Econ Entomol 62(3):556-557
16 Jun 1969 421 J822
Alfalfa, Azinphosmethyl, Chemical control (insects), Hypera postica, Insect pests, Insecticides, Larvae, Organophosphorus compounds, Population, Sampling (statistics), Statistical methods.

12342-69
CONTRIBUTION TO THE STUDY OF THE CULEX OF THE ETHIOPIAN REGION BELONGING TO THE SUB-GENUS MOCHTHOGENES (DIPTERA, CULICIDAE), WITH A DESCRIPTION OF THE MALES OF FIVE NEW SPECIES. (FR)
J Brunhes J P Adam H Bailly-Choumara
Entomol Med Cahiers 5(1):43-52
1967 SB931.A1O3
Culex, Insect identification, Insect taxonomy, Medical entomology. English summary.

12343-69
CONTRIBUTION TO THE STUDY OF THE CULICIDAE OF THE ETHIOPIAN REGION. DESCRIPTION OF CULEX (BARRAUDIUS) RICHETI N. SP. SUPPLEMENTAL NOTES ON CULEX (B) PUSILLUS MACQUART AND CULEX (B.) MODESTUS FICALBI. (FR)
J Brunhes P Venard
Entomol Med Cahiers 4(7):75-84
Sep 1966 SB931.A1O3
Culex, Culicidae, Insect identification, Insect taxonomy, Medical entomology. English summary.

The author compares n. sp. Culex richeti with that of Culex pusillus and Culex modestus.

12344-69
OCCURRENCE OF CULEX PIPIENS QUINQUEFASCIATUS SAY IN NEVADA.
H C Chapman R C Bechtel
Mosquito News 29(1):137
Mar 1969 421 M85
Culex pipiens, Surveys.

12345-69
CONVERSION OF RESULTS OF CONCENTRATED SAMPLES TO DENSITY ESTIMATES OF EGG AND LARVAL POPULATIONS OF THE NORTHERN CORN ROOTWORM.
H C Chiang V Sisson D Rasmussen
J Econ Entomol 62(3):578-583 REF
16 Jun 1969 421 J822
Corn, Diabrotica longicornis, Diabrotica virgifera, Insect eggs, Insect pests, Larvae, Population, Sampling (statistics), Statistical methods.

12346-69
THE ANOPHELES CLAVIGER COMPLEX IN THE MEDITERRANEAN SUBREGION. (IT)
M Coluzzi G Sacca E D Feliciangeli
Entomol Med Cahiers (3/4):97-102 MAP REF
Mar 1965 SB931.A1O3
Anopheles, Anopheles claviger, Insect taxonomy, Medical entomology, Zoogeography.

12347-69
CULICOIDES MOLLIS EDWARDS (DIPTERA: CERATOPOGONIDAE) ON AITUTAKI ISLAND, COOK ISLANDS.
L J Dumbleton
New Zeal Entomol 4(2):36-37
Apr 1969 421 N48
Ceratopogonidae, Culicoides, Zoogeography.

12348-69
NOTE ON THE BROWN COCKROACH, PERIPLANETA BRUNNEA, IN TEXAS.
D Eddleman D Simon
Ned Entomol 63(3):678-679 MAP
May 1969 420 N82
Periplaneta brunnea, Zoogeography.

12349-69
ON TWO MITES OF ECONOMIC IMPORTANCE IN JAPAN (ARACHNIDA: ACARINA).
S Ehara
Appl Entomol Zool 3(3):124-129 REF
Sep 1968 SB599.A6
Apis mellifera, Brevipalpus, Insect identification, Insect taxonomy, Parasitism, Varroa jacobsoni, Zoogeography.

12350-69
TRIBAL POSITIONS OF WESTERN HEMISPHERE GREEN SWEAT BEES, WITH COMMENTS ON THEIR NEST ARCHITECTURE (HYMENOPTERA HALICTIDAE).
G C Eickwort
Entomol Soc Amer Ann 63(3):652-660 REF
May 1969 420 EN82
Halictidae, Insect nests, Insect taxonomy, Zoogeography.

12351-69
A NEW SPECIES OF MEGOUROPARSUS (HOMOPTERA: APHIDIDAE) FROM NORTHEAST INDIA.
A K Ghosh D N Raychoudhuri
Entomol Soc Amer Ann 62(5):952-953
15 Sep 1969 420 EN82
Aphididae, Insect taxonomy.

12352-69
THE AGE COMPOSITION OF ANOPHELES MELAS THEOBALD (1903) POPULATIONS COLLECTED SIMULTANEOUSLY BY DIFFERENT METHODS IN THE GAMBIA, WEST AFRICA.
M E C Giglioli
Entomol Med Cahiers (3/4):11-26 MAP REF
Mar 1965 SB931.A1O3
Anopheles, Insect populations, Medical entomology, Zoogeography.

12353-69
INDIAN SPECIES OF SCAMBUS HARTIG (HYMENOPTERA: ICHNEUMONIDAE).
V K Gupta D T Tikar
Oriental Insects 1(3/4):215-237 MAP
Dec 1967 QL461.O7
Hymenoptera, Ichneumonidae, Insect taxonomy, Zoogeography.

The new species described are: Scambus kashmiricus, garhwalensis, assamensis, lucidus, laccae, striatus, indicus, simulator, flavicros and aithomelus.

12354-69
CONTRIBUTION TO THE STUDY OF THE DISTRIBUTION OF ANOPHELES IN WEST AFRICA. (FR)
J Hamon J Coz J P Adam M Holstein A Rickenbach J Brengues R Subra S Sales M Eyraud
Entomol Med Cahiers 4(6):13-70 MAP REF
1966 SB931.A1O3
Anopheles, Medical entomology, Zoogeography. English summary. 47 anopheline species were recorded.

12355-69
RACE E, SIXTH RACE OF THE HESSIAN FLY, MAYETIOLA DESTRUCTOR, DISCOVERED IN GEORGIA WHEAT FIELDS.
J H Hatchett
Ned Entomol 63(3):677-678
May 1969 420 N82
Insect taxonomy, Mayetiola destructor, Wheat.

12356-69
A NEW IDIOCERIDAE FROM CHILE: IDIOCERUS HICHINSI N. SP. (HOMOPT.). (GE00)
F Heller
Entomol Z 79(14):155-157
15 Jul 1969 421 EN85
Idiocerus, Insect taxonomy.

12357-69
THREE NEW APHID SPECIES OF THE SUBFAM. DACTYNOTINAE FROM THE CRIMEA (HOMOPTERA).
J Holman
Acta Ent Bohemoslov 59(1):28-37
1962 420 C33
Aphididae, Insect identification, Insect taxonomy. Russian summary.

12358-69
NINTH SUPPLEMENT TO THE CATALOGUE OF CENTRAL EUROPEAN BEETLES. (GE00)
A Horion
Entomol Bl 65(1):1-47 MAP
30 Jul 1969 421 EN833
Catalogs, Coleoptera, Zoogeography.

12359-69
ACARINA ASSOCIATED WITH MICHIGAN BOMBINAE.
R W Husband
Mich Acad Sci Arts Lett Pap 53:109-112
1968 500 M582
Bombini, Mites, Zoogeography.

12360-69
TWO NEW MALAYAN SPECIES OF THE GENUS NEPHOTETTIX (HEMIPTERA: CICADELLIDAE).
T Ishihara E Kawase
Appl Entomol Zool 3(3):119-123
Sep 1968 SB599.A6
Cicadellidae, Insect identification, Insect taxonomy, Nephotettix.

12361-69
THE LECTOTYPE OF BRUCHUS JULIANUS.
C D Johnson
Ned Entomol 63(3):676-677
May 1969 420 N82
Bruchus, Insect taxonomy, Zoogeography.

12362-69
REPORT ON SOME NEOTROPICAL ANT STUDIES.
W W Kempf W L Brown
Sao Paulo Dep Zool Papeis Avulsos 22(10):89-102 REF
04 Dec 1968 410.9 SA63
Formicidae, Insect taxonomy, Zoogeography.

12363-69
FAUNISTIC AND ECOLOGICAL DATA ON THE FLEAS OF MADAGASCAR (SIPHONAPTERA). (FR)
J M Klein G Uilenberg
Entomol Med Cahiers 4(8):31-60 MAP REF
1966 SB931.A1O3
Insect ecology, Insect identification, Insect taxonomy, Medical entomology, Parasitism, Rodents, Siphonaptera, Zoogeography.

Description of 24 species and sub-species of Siphonaptera plus a listing of their hosts.

12364-69
TABANIDAE (DIPTERA) OF MOROCCO, III. DESCRIPTION OF TABANUS CHOUMARAE N. SP. (FR)
M Leclercq
Entomol Med Cahiers 5(2):127-131
1967 SB931.A1O3
Insect identification, Insect taxonomy, Medical entomology, Tabanidae. English summary.

12365-69
CISIDAE STUDY IV. (GE00)
G A Lohse
Entomol Bl 65(1):48-52
30 Jul 1969 421 EN833
Cisidae, Insect taxonomy, Zoogeography.

12366-69
NOTES ON THE SUBJECT OF SOUTH AMERICAN CULICIDAE. THE DISTRIBUTION OF THE GENUS HAEMAGOGUS WILLISTON, 1896, IN SOUTH AMERICA. (FR)
A Martinez R U Carcavallo
Entomol Med Cahiers (3/4):39-45 MAP
Mar 1965 SB931.A1O3
Culicidae, Medical entomology, Zoogeography.

12367-69
A NEW SPECIES OF KRISTOTOMUS (HYMENOPTERA: ICHNEUMONIDAE) FROM INDIA.
W R M Mason
Oriental Insects 1(3/4):211-214
Dec 1967 QL461.O7
Hymenoptera, Ichneumonidae, Insect taxonomy, Zoogeography.

12368-69
THE ARMORED SCALE INSECTS OF TEXAS (HOMOPTERA: COCCOIDEA: DIASPIDIDAE).
B McDaniel
Southwest Natur 14(1):89-113
16 May 1969 409.6 SO8
Diaspididae, Homoptera, Insect taxonomy, Surveys, Zoogeography.

12369-69
A NEW JAPANESE SPECIES OF TRIOZA FROM MACHILUS THUNBERGII, WITH DESCRIPTIONS OF THE IMMATURE STAGES AND NOTES ON BIOLOGY (HEMIPTERA: PSYLLIDAE).
Y Miyatake
Shikoku Entomol Soc Trans 10(1):1-10
Aug 1968 420 SH6
Insect biology, Insect identification, Insect pests, Insect taxonomy, Parasitism, Predaceous insects, Psyllidae.

12370-69
CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS EPITHRIX FOUDR. (COLEOPTERA, CHRYSOMELIDAE, HALTICINAE). (GE)
K H Mohr
Entomol Bl 64(1):58-60
15 Jul 1968 421 EN833
Chrysomelidae, Epitrix, Insect taxonomy, Jordan.

12371-69
ANNOUNCEMENT OF A MAP SHOWING THE DISTRIBUTION OF GLOSSINA IN EASTERN CAMEROON.
J Mouchet J Gariou
Entomol Med Cahiers 4(6):83-85 MAP
1966 SB931.A1O3
Cameroun, Glossina, Insect vectors, Medical entomology, Trypanosomiasis, Zoogeography.

12372-69
INTERSEX OF CULICOIDES CIRCUMSCRIPTUS KIEFFER (CERATOPOGONIDAE: DIPTERA).
S Navai A Mesghali
Mosquito News 29(1):136-137
Mar 1969 421 M85
Ceratopogonidae, Culicoides, Insect morphology, Intersexuality.

12373-69
TAXONOMIC REVIEW, ECOLOGICAL AND BIOLOGICAL ASPECTS OF DIPTERA (CULICIDAE) LIVING IN THE FOREST OF MANERA (PROVINCE OF KAFFA) ETHIOPIA. (FR)
P Neri
Entomol Med Cahiers (3/4):47-56 MAP
Mar 1965 SB931.A1O3
Culicidae, Insect biology, Insect ecology, Insect taxonomy, Medical entomology, Zoogeography.

Information on: Aedes africanus, A. aegyptii, A. simpsoni, A. luteocephalus, A. usambara, A. cumminsi and A. stokesi.

12374-69
TABANIDAE OF CAMEROON. I. DESCRIPTION OF NEW SPECIES. (FR)
M Ovazza J Mouchet
Entomol Med Cahiers 5(2):93-105 MAP REF
1967 SB931.A1O3
Insect identification, Insect taxonomy, Medical entomology, Tabanidae, Zoogeography. English summary.

12375-69
A REVIEW OF THE GENUS HYPERALONIA RONDANI (BOMBYLIIDAE, DIPTERA) FROM SOUTH AMERICA.
R H Painter E M Painter
Sao Paulo Dep Zool Papeis Avulsos 22(12):107-121 MAP REF
04 Dec 1968 410.9 SA63
Bombyliidae, Insect taxonomy, Zoogeography.

12376-69
ANOPLURA OF RODENTS AND INSECTIVORES IN THE CENTRAL AFRICAN REPUBLIC. (FR)
F X Pajot
Entomol Med Cahiers 5(2)107-114
1967 SB931.A1O3
Anoplura, Ectoparasites, Insect identification, Insect taxonomy, Medical entomology, Rodents. English summary. 14 species were recorded, one of which is new.

12377-69
FURTHER IMPROVEMENTS ON THE MASS REARING OF DAPHNIA MAGNA.
B L Parker J E Dewey
J Econ Entomol 62(3):725-726
16 Jun 1969 421 J822
Arthropod rearing, Daphnia magna.

12378-69
A LIGHT-TRAP BAG FOR COLLECTING LIVE INSECTS.
W J Powers
J Econ Entomol 62(3):735-736
16 Jun 1969 421 J822
Dioryctria, Imagos, Insect collecting equipment, Insect pests, Light traps, Pine cones, Pinus.

12379-69
A SIMPLIFIED TRAP FOR COLLECTING ADULT PECAN WEEVILS.
H G Rancy R D Eikenbary
J Econ Entomol 62(3):722-723
16 Jun 1969 421 J822
Curculio caryae, Imagos, Insect collecting equipment, Insect traps.

12380-69
ON THE GENITALIA OF MERODONTINA SIKKIMENSIS ENDERL. (ASILIDAE, DIPTERA) WITH A DESCRIPTION OF A NEW SPECIES OF MERODONTINA ENDERL. FROM INDIA.
K R Rao P Parui
Zool Anz 182(1-2 JAN-FEB):110-113
Feb 1969 410 Z7
Asilidae, Insect morphology, Insect taxonomy, Reproductive organs.

12381-69
SOME INTERESTING MACROLEPIDOPTERA FROM THE FAUNA OF FRANKFURT AM MAIN. (GE00)
H Rauch
Entomol Z 79(14):162-164
15 Jul 1969 421 EN85

Insect taxonomy, Lepidoptera.

12382-69
PHYCITINAE. STUDY VI (LEPIDOPTERA, PYRALIDAE). (GE00)
U Roesler
Entomol Z 79(14):149-154
15 Jul 1969 421 EN85
Insect taxonomy, Pyralidae.

12383-69
DESCRIPTION OF A NEW SPECIES OF BRADYSIA (DIPTERA, SCIARIDAE).
Sauaia M A R Alves
Sao Paulo Dep Zool Papeis Avulsos 22(9):85-88
04 Dec 1968 410.9 SA63
Insect taxonomy, Sciaridae.

12384-69
NOTES ON THE MORPHOLOGY, TAXONOMY, AND DISTRIBUTION OF THE IDIOSTOLIDAE (HEMIPTERA-HETEROPTERA).
C W Schaefer D Wilcox
Entomol Soc Amer Ann 63(3):485-502 MAP REF
May 1969 420 EN82
Idiostolidae, Insect taxonomy, Zoogeography.

12385-69
NEW MICROLEPIDOPTERA FOR THE LOCAL FAUNA OF SAARLAND FROM THE COLLECTION OF FRITZ HUTTEN, KARLSBRUNN (III). (GE00)
W Schmidt-Koehl
Entomol Z 79(14):158-162 MAP
15 Jul 1969 421 EN85
Insect taxonomy, Lepidoptera.

12386-69
ON A NEW SPECIES OF THE GENUS PERLODES (PLECOPTERA: PERLODIDAE) FROM INDIA.
R K Singh S K Ghosa
Zool Anz 182(1-2,JAN-FEB):134-136
Feb 1969 410 Z7
Insect taxonomy, Plecoptera.

12387-69
DISTRIBUTION OF THE CORN EARWORM ON ST. CROIX, U.S. VIRGIN ISLANDS, AND ITS RELATION TO SUPPRESSION PROGRAMS.
J W Snow W W Cantelo M C Bowman
J Econ Entomol 62(3):606-611, MAP
16 Jun 1969 421 J822
Heliothis zea, Insect control, Insect traps, Larvae, Phosphorus isotopes, Policies, Radioactive tracers, Zoogeography.

12388-69
A NEW GENUS AND SPECIES OF TYDEIDAE (ACARI : PROSTIGMATA) FROM NEW ZEALAND.
A V Spain
Acarologia 11(1):23-28
Jan 1969 434.8 AC1
Acarina, Eupodidae, Insect ecology, Insect taxonomy, Zoogeography. French abstract.

12389-69
THE BLACK FLIES OF ALABAMA (DIPTERA: SIMULIIDAE).
A Stone E L Snoddy
Ala Agr Exp Sta Bull (390):93P MAP REF
Apr 1969 100 ALIS (1)
Insect biology, Insect collecting equipment, Insect taxonomy, Simuliidae, Zoogeography.

12390-69
THE BLACK FLIES OF ALABAMA (DIPTERA: SIMULIIDAE).
A Stone E L Snoddy
Ala Agr Exp Sta Bull 390:93P REF
Apr 1969 100 ALIS (1)
Alabama, Cnephia, Diptera, Insect biology, Insect ecology, Insect taxonomy, Prosimulium, Simuliidae, Simulium, Zoogeography.

12391-69
REMARKS ON THE TAXONOMY OF MOSQUITOES. (FR)
A Stone J Hamon
Entomol Med Cahiers (3/4):3-9 REF
Mar 1965 SB931.A1O3
Culicidae, History, Insect taxonomy, Medical entomology.

12392-69
THE DISCOVERY OF A REPRESENTATIVE OF THE PTOMAPHAZININI IN CUBA (WITH AN OUTLINE OF THE SYSTEMATICS AND THE DISTRIBUTION OF THIS TRIBE) (COLEOPTERA, CATOPIDAE). (FR00)
W. Szymczako Ski
Acta Zool Cracov 14(4):87-97
15 Mar 1969 410 AC86
Insect taxonomy, Leptodiridae, Zoogeography. Polish and Russian abstract.

12393-69
A NEW POROLOHMANNELLA SPECIES FROM THE EUSTYGON NEAR WIESBADEN (LIMNOHALACARIDAE, ACARINA). (GE00)
D Teschner
Zool Anz 182(1-2,JAN-FEB):95-101
Feb 1969 410 Z7
Acarina, Insect taxonomy.

12394-69
PHLEBOTOMUS MOUCHETI (DIPTERA PSYCHODIDAE), A NEW SPECIES CAUGHT IN THE CAVES OF CAMEROON AND IN THE CENTRAL AFRICAN REPUBLIC. (FR)
G Vattier-Bernard E Abonnec
Entomol Med Cahiers 5(2):67-70
1967 SB931.A1O3
Insect identification, Insect taxonomy, Medical entomology, Phlebotomus, Psychodidae, Zoogeography. English summary.

12395-69
SEVERAL NEW SUCKING-INSECT SPECIES AND SUBSPECIES FROM THE PALEARCTIC REGION. (196. CONTRIBUTION TO THE KNOWLEDGE OF THE CURCULIONIDAE). (GE00)
E Voss
Entomol Bl 65(1):53-63
30 Jul 1969 421 EN833
Curculionidae, Insect taxonomy.

12396-69
SYSTEMATICS AND ACOUSTIC BEHAVIOR OF UNITED STATES CRICKETS OF THE GENUS CYRTOXIPHA (ORTHOPTERA: GRYLLIDAE).
T J Walker
Entomol Soc Amer Ann 62(5):945-952
15 Sep 1969 420 EN82
Gryllidae, Insect behavior, Insect taxonomy, Sound waves.

12397-69
MIDDLE EAST LEPIDOPTERA--XXIV: BEIHANIA, A NEW NOCTUID GENUS FROM SOUTHERN ARABIA WITH TWO NEW SPECIES FROM ARABIA AND SOMALILAND.
E. P. Wiltshire
Bombay Natur Hist Soc J 64(2):232-237
Aug 1967 513 B63
Insect taxonomy, Noctuidae.

12398-69
THE SHORE FLIES OF THE GENUS CANACEOIDES CRESSON (DIPTERA: CANACEIDAE).
W W Wirth
34(19):551-570, MAP
07 May 1969 500 C12P
Canaceidae, Canaceoides, Insect taxonomy, Zoogeography.

12399-69
TWO NEW SOUTH AFRICAN MACHILIDS OF THE GENUS MACHILOIDES (MICROCORYPHIA, INSECTA).
P Wygodzinsky
Amer Mus Novitates (2377):1-10
13 Jun 1969 500 N483N
Insect taxonomy, Machilidae, Machiloides, Thysanura.

12400-69
DESCRIPTION OF IMMATURE STAGES OF COREIDAE. 2. ACANTHOCEPHALA TERMINALIS.
T R Yonke J T Medler
Entomol Soc Amer Ann 63(3):474-476
May 1969 420 EN82
Acanthocephala, Insect eggs, Insect taxonomy, Nymphs.

12401-69
THE FIRST INSTAR LARVAE OF THE GENUS TRIXA MEIGEN AND REMARKS ON THE SYSTEMATICS AND NOMENCLATURE OF THIS GENUS (DIPTERA, LARVAEVORIDAE).
J Zuska
Acta Ent Bohemoslov 59(1):80-86 REF
1962 420 C33
Insect identification, Insect taxonomy, Larvae, Nomenclature, Tachinidae. Czec summary.

PHYSIOLOGY AND BIOCHEMISTRY

12402-69
SEX PHEROMONE GLAND IN THE POTATO TUBERWORM MOTH, PHTHORIMAEA OPERCULELLA.
C Adeesan A J Tamhankar G W Rahalkar
Ned Entomol 63(3):670-671
May 1969 420 N82
Glands (insects), Insect histology, Insect morphology, Pheromones, Phthorimaea operculella.

12403-69
A TEN YEAR SURVEY OF TRINIDADIAN ARTHROPODS FOR NATURAL VIRUS INFECTIONS (1953-1963).(ABSTRACT).
T H G Aitken L Spence A H Nkers W G Downs
Entomol Med Cahiers (3/4):191
Mar 1965 SB931.A1O3
Arboviruses, Arthropoda, insect diseases, Insect vectors, Medical entomology, Surveys. A total of 474 virus strains representing 29 viruses were found.

12404-69
THE DISTRIBUTION AND BIOLOGY OF TRIBOLIUM CASTANEUM (COLEOPTERA, TENEBRIONIDAE) ON TEMPERATURE GRADIENTS VARYING IN STEEPNESS.
T G Amos F L Waterhouse
Entomol Exp Appl 12(1):44-52
1969 421 EN895
Insect behavior, Insect biology, Temperature, Tribolium castaneum.

12405-69
GYNANDROMORPHISM IN CULEX TRITAENIORHYNCHUS.
M Aslamkhan R H Baker
Mosquito News 29(1):127-132
Mar 1969 421 M85
Culex tritaeniorhynchus, Gynandromorphism, Insect morphology.

12406-69
STUDIES ON THE PH OF THE DIGESTIVE TRACT OF AULACOPHORA FOVECOLLIS LUCAS AND EPILACHNA DODECASTIGMA WIED.
V B Awasthi
Indian J Entomol 30(1):33-36 REF
Mar 1968 420 IN23
Aulacophora, Epilachna, Gastrointestinal system, Hydrogen-ion concentration, Insect biochemistry, Insect physiology.

12407-69
THE ROLE PLAYED BY THE NEURONS OF THE BRAIN IN THE CIRCADIAN BEHAVIOR RHYTHM OF GRYLLUS DOMESTICUS L. (RUS0)

A G Azarian V P Tyshchenko
Akad Nauk Sssr Dokl 186(2):484-487
1969 511 P444A
Brain, Diurnal rhythm, Gryllus domesticus, Insect behavior, Nervous system.

12408-69
THE MULTIPLICATION AND SPREAD OF SACBROOD VIRUS OF BEES.
L Bailey
Ann Appl Biol 63(3):483-491 REF
Jun 1969 442.8 AN72
Apis mellifera, Bee diseases, Insect diseases, Insect physiology, Pollen, Sacbrood.

12409-69
CANNIBALISM AND PREDATION BY APHIDS.
C J Banks E D M Macaulay J Holman
Nature 218(5140):491
04 May 1968 472 N21
Aphididae, Insect behavior, Insect cultures, Predaceous insects. Many different types of aphids were discussed.

12410-69
THE CHEMOSTERILANT EFFECT OF ANTHRAMYCIN METHYL ETHER IN DROSOPHILA MELANOGASTER.
J R Barnes J Fellig M Mitrovic
J Econ Entomol 62(4):902-904 REF
15 Aug 1969 421 J822
Anthramycin methyl ether, Antibiotics, Apholate, Chemosterilants, Drosophila melanogaster, Feed additives, Sterility. Females permanently sterilized when the antibiotic was ingested. Others were not effective.

12411-69
THE REGULATION OF POPULATION DENSITY IN THE BARK BEETLE SCOLYTUS SCOLYTUS (F.).
R A Beaver
J Anim Ecol 36(2):435-451 REF
Jun 1967 410 J826
Birds, Insect behavior, Mortality, Parasitic insects, Population, Scolytus scolytus.

12412-69
PAPER WASP IN PITCHER PLANT, SARRACENIA PURPUREA L.
G L Bernon
Entomol News (philadelphia) 80(6):148
Jun 1969 421 EN88
Insect ecology, Insect nests, Plants, Polistes.

12413-69
NOTE ON BREEDING OF FRUIT FLIES DACUS CILIATUS LOEW AND D. CUCURBITHE COQUILLETT IN STEM GALLS OF COCCINIA INDICA W. AND A.
S K Bhatia Y Mahto
Indian J Entomol 30(3):244-245
Sep 1968 420 IN23
Dacus, Dacus cucurbitae, Insect behavior, Insect rearing, Oviposition, Plant galls, Plants.

12414-69
THE RESULTS OF MY BREEDING OF ACANTHOBRAHMAEA EUROPAEA HARTIG 1963. A CONTRIBUTION TO THE EXTENT OF VARIATION OF THIS SPECIES (LEP., BRAHMAEIDAE). (GE)
A Bilek
Wien Entomol Ges Z 78(9-10):88-90
15 Dec 1967 421 OS7
Brahmaeidae, Insect adaptation, Insect rearing, Polymorphism.

12415-69
STUDIES ON POLLEN GATHERING ACTIVITY OF THE INDIAN HONEY BEE APIS INDICA F. UNDER DELHI CONDITIONS.
D S Bisht N C Pant
Indian J Entomol 30(2):163-168
Jun 1968 420 IN23
Apis indica, Insect behavior, Pollen.

12416-69
THE HYMENOPTEROUS POISON GLAND: PROBABLE FUNCTIONS OF THE MAIN GLANDULAR ELEMENTS.
M S Blum H R Hermann
Ga Entomol Soc J 4(1):23-28
Jan 1969 QL461.G4
Dehydrogenases, Glands (insects), Hymenoptera, Insect physiology, Poison glands, Proteins, Venoms.

12417-69
UNCOUPLING OF DNA AND HISTONE SYNTHESIS PRIOR TO PROPHASE I OF MEIOSIS IN THE CRICKET GRILLUS (ACHETA) DOMESTICUS L.
Y F Bogdanov N A Liapunova A I Sherudilo E N Antropova
Exp Cell Res 52(1):59-70 REF
Sep 1968 442.8 EX7
Acheta domesticus, Cytology, Deoxyribonucleic acid, Histones, Insect biochemistry, Meiosis, Spectrophotometry, Spermatogenesis.

12418-69
FACTORS INFLUENCING AEDES AEGYPTI OCCURRENCE IN CONTAINERS.
H A Bond R W Fay
Mosquito News 29(1):113-116
Mar 1969 421 M85
Aedes aegypti, Color, Containers, Habitats, Insect behavior, Oviposition, Water.

12419-69
CONTINUOUS REARING OF THE APPLE MAGGOT.
L W Boulanger G E Stanton A L Padula
J Econ Entomol 62(3):748-749
16 Jun 1969 421 J822
Apples, Insect pests, Insect rearing, Rhagoletis pomonella.

12420-69
STUDY OF THE STABILITY OF PAPER IMPREGNATED WITH OILY SOLUTIONS OF OMS 33 (CARBAMATE) AND OMS 43 (ORANOPHOSPHOROUS COMPOUND). SUSCEPTIBILITY OF FEMALES OF VARIOUS SPECIES OF AFRICAN CULICIDAE TO OMS 33 AND OMS 43. (FR)
J Brengues S Sales
Entomol Med Cahiers 5(1):21-42 REF
1967 SB931.A1O3
Carbamates, Culicidae, Insecticide resistant insects, Medical entomology, Oil insecticide combinations, Organophosphorus compounds. English summary.

12421-69
POPULATIONS OF THE ANT TETRAMORIUM CAESPITUM LATREILLE.
M V Brian G Elmes A F Kelly
J Anim Ecol 36(2):337-342
Jun 1967 410 J826
Insect ecology, Population, Surveys, Tetramorium caespitum.

12422-69
THE TOXICITY OF ALPHA-DIHYDROHEPTACHLOR AND RELATED COMPOUNDS TO THE HOUSEFLY (M. DOMESTICA L.) AND THEIR METABOLISM BY HOUSEFLY AND PIG LIVER MICROSOMES.
G T Brooks A Harrison
Life Sci 6(13,PT 1):1439-1448 REF
01 Jul 1967 442.8 L62
Biochemistry, Chlorinated hydrocarbons, Chromatography, Dihydroheptachlor, Heptachlor, Insect biochemistry, Insect metabolism, Insecticides, Liver, Metabolism, Microsomes, Musca domestica, Swine, Toxicology.

12423-69
THE METABOLISM OF DIHYDROCHLORDENE AND RELATED COMPOUNDS BY HOUSEFLY (M. DOMESTICA L.) AND PIG LIVER MICROSOMES.
G T Brooks A Harrison
Life Sci 6(7,PT 1):681-689 REF
01 Apr 1967 442.8 L62
Chlorinated hydrocarbons, Hexachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene, 4,5,6,7, 8, Liver, Metabolism, Microsomes, Musca domestica, Sesamex, Swine, Synergism.

12424-69
RESPONSES OF IPS CONFUSUS TO SYNTHETIC SEX PHEROMONES IN NATURE.
L E Browne W D Bedard P E Tilden R M Silverstein J O Rodin
Science 159(3821):1373-1374
22 Mar 1968 470 SCI2
Attractants, Insect behavior, Insect biochemistry, Ips confusus, Pheromones, Scolytidae.

12425-69
CONTRIBUTION TO THE STUDY OF THE CULICIDAE OF MADAGASCAR. DESCRIPTION OF LARVAE AND NYMPHS OF CULEX (C.) GIGANTEUS VENTRILLON AND CULEX (C.) ARGENTEOPUNCTATUS ARGENTEOPUNCTATUS VENTRILLON. COMPARATIVE NOTES ON THE ADULTS OF THE TWO SPECIES. (FR)
J Brunhes
Entomol Med Cahiers 5(4):207-216
1967 SB931.A1O3
Culex, Insect identification, Insect morphology, Larvae, Malagasy Republic, Medical entomology. English summary

12426-69
SARCOPHAGOUS HABITS OF TRICHOPTERA LARVAE ON DEAD FISH.
M A Brusven A C Scoggan
Entomol News (philadelphia) 80(4):103-105
Apr 1969 421 EN88
Feeding, Fish, Insect behavior, Insect nutrition, Larvae, Trichoptera.

12427-69
CELL LINEAGE, GROWTH, AND DETERMINATION IN THE IMAGINAL LEG DISCS OF DROSOPHILA MELANOGASTER.
P J Bryant H A Schneiderman
Develop Biol 20(3):263-290 REF
Sep 1969 442.8 D49
Cytology, Drosophila melanogaster, Insect genetics, Insect morphology, Legs.

12428-69
DIURNAL FLIGHT IN THE LARGER DYTISCIDAE (COL) AND THE ATTRACTION OF CAR ROOFS TO COLEOPTERA IN FLIGHT.
F D Buck
S London Entomol Natur Hist Soc Proc Trans 7(6,PT 1):14
Mar 1967 420 SO8
Attractants, Diurnal rhythm, Dytiscidae, Insect behavior, Insect flight.

12429-69
LABORATORY INSECTICIDE TESTS AGAINST THE FALL WEBWORM.
P E Buffam H W Flake C J Germain
J Econ Entomol 62(3):565-556
16 Jun 1969 421 J822
Bacillus thuringiensis, Biological assay, Carbamates, Chemical control (insects), Chlorinated hydroearbons, DDT, Forest insects, Hyphantria cunea, Insecticides, Organophosphorus compounds, Spraying.

12430-69
TRAIL LAYING BY LARVAE OF CHLOSYNE LACINIA.
G Bush
Ned Entomol 63(3):674-675
May 1969 420 N82
Insect behavior, Larvae, Nymphalidae, Trail marking.

12431-69
PRESENTING RESULTS OF TESTS INVOLVING BIOLOGICALLY ACTIVE MATERIALS.
H D Byrne
Ned Entomol 63(3):671-673

May 1969 420 N82
Biological assay, Chemicals, Insect behavior, Insect biochemistry, Statistical analysis.

12432-69
EFFECT OF WINTER PRECIPITATION AND TEMPERATURE ON OVERWINTERING EGGS OF NORTHERN AND WESTERN CORN ROOTWORMS.
C O Calkins J M Kirk
J Econ Entomol 62(3):541-543
16 Jun 1969 421 J822
Diabrotica longicornis, Diabrotica virgifera, Hibernation, Insect eggs, Plowing, Precipitation, Temperature, Weather.

12433-69
ECOLOGICAL STUDIES ON THREE POND MIDGES (DIPTERA: CERATOPOGONIDAE) IN QUEBEC.
K L Chan E J LeRoux
Entomol Soc Quebec Ann 12(1):14-34 REF
Jan 1967 420 EN822
Ceratopogonidae, Insect ecology, Population, Seasonal variation.

12434-69
RELATIONSHIP BETWEEN THE PHYSIOLOGICAL AGE AND THE BEHAVIOR OF MOSQUITOES. (FR)
G Chauvet J Coz P Grenier
Entomol Med Cohiers (3/4):103-109 REF
Mar 1965 SB931.A1O3
Anopheles, Culicidae, Insect behavior, Insect physiology, Medical entomology.

12435-69
THE OCCURRENCE IN MADAGASCAR OF RESISTANCE TO DIELDRIN IN THE FORM B OF THE ANOPHELES GAMBIAE COMPLEX. (FR)
G Chauvet G Davidson
Entomol Med Cahiers 4(7):3-12 MAP REF
Sep 1966 SB931.A1O3
Anopheles gambiae, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, Insecticide resistant insects, Insecticides, Medical entomology. English summary.

12436-69
A NEW PARASITE OF THE VEGETABLE WEEVIL IN SOUTHERN CALIFORNIA.
D W Clancy
J Econ Entomol 62(3):743-745
16 Jun 1969 421 J822
Ichneumonidae, Insect biology, Larvae, Listroderes costirostris obliquus, Parasitic insects, Tersilochus.

12437-69
FAILURE OF LABORATORY COLONIES OF BODY LICE TO DEVELOP RESISTANCE TO MALATHION.
M M Cole P H Clark D E Weidhaas
J Econ Entomol 62(3):568-570 REF
16 Jun 1969 421 J822
Biological assay, Experimental insects, Insecticide resistant insects, Malathion, Organophosphorus compounds, Pediculus humanus humanus.

12438-69
BIOLOGICAL OBSERVATIONS ON THE ANOPHELES GAMBIAE COMPLEX. (ABSTRACT).
M Coluzzi
Entomol Med Cohiers (3/4):183-184
Mar 1965 SB931.A1O3
Anopheles gambiae, Insect biology, Insect ecology, Medical entomology. Full text will appear in Rivista di Malariologia .

12439-69
THE EFFECT OF LIGHT ON THE CIRCADIAN RHYTHM OF LOCOMOTOR ACTIVITY IN THE HOUSE CRICKET (ACHETA DOMESTICUS L.).
B Cymborowski
Zool Pol 19(1):85-95 REF
1969 410 Z712
Acheta domesticus, Diurnal rhythm, Insect behavior, Insect physiology, Light, Locomotion, Photoperiodism.

12440-69
DRY PREPARATION OF SMALL SOFT SKINNED ANIMALS PARTICULARLY ARTHROPODS, AND OF PLANT PARTS WITH DICHLORMETHANE-GLACIAL ACETIC ACID-SILICA GEL.. (GE00)
S Cymorek
Notur Mus 99(3):125- 126
Mar 1969 509 F856
Arthropoda, Insect collecting equipment, Insect preservation, Methodology, Plants, Silica gels.

12441-69
MORPHOLOGICAL STUDY ON THE INSTARS OF THE ALFALFA CATERPILLAR , COLIAS LESBIA (F.) (LEP., PIERIDAE). (SP00)
I S De Crouzel R J Salavin D R De Basaldua
Rev Invest Agr Ser 5, Patol Veg 5(10):113-138
1968 464.8 R322
Colias, Colias eurytheme, Insect morphology, Larvae, Metamorphosis. English abstract.

12442-69
A NONLINEAR MODEL FOR TRANSIENT RESPONSES FROM LIGHT-ADAPTED WOLF SPIDER EYES.
R D DeVoe
J Gen Physiol 50(8):1993-2030 REF
Sep 1967 447.8 J822
Bio-electric potential, Eyes, Light, Lycosa, Photosensitization, Retina.

12443-69
NONLINEAR TRANSIENT RESPONSES FROM LIGHT-ADAPTED WOLF SPIDER EYES TO CHANGES IN BACKGROUND ILLUMINATION.
R D DeVoe
J Gen Physiol 50(8):1961-1992 REF
Sep 1967 447.8 J822
Eyes, Light, Lycosa, Photosensitization, Retina.

12444-69
A STUDY oF INSECTS ATTACKING DOUGLAS-FIR CONES IN EASTERN MONTANA AND YELLOWSTONE NATIONAL PARK, 1967.
J E Dewey F W Honing
U S Forest Serv North Reg (5200):15P MAP
Jul 1968 ASB608.D6D4
Choristoneura fumiferana, Contarinia washingtonensis, Forest insects, Insect behavior, Insect pests, Plant injuries, Pseudotsuga menziesii, Zoogeography.

12445-69
THE DEVELOPMENT OF FEMALE GONADS IN PUPAE OF GALLERIA MELLONELLA L. (LEPIDOPTERA).
A Dutkowski
Zool Pol 19(1):115-131 REF
1969 410 Z712
Ecdysone, Eggs, Galleria mellonella, Gonads, Hormones, Insect physiology, Metamorphosis, Nucleic acids, Pupae.

12446-69
EGG-YOLK AND OLIVE JUICE AS SUPPLEMENTS TO THE YEAST HYDROLYZATE-SUCROSE DIET FOR ADULTS OF DACUS OLEAE.
A P Economopoulos M E Tzanakakis
Life Sci 6(22,PT 2):2409-2416
15 Nov 1967 442.8 L62
Culture media, Dacus oleae, Egg yolks, Fertility, Insect nutrition, Insect rearing, Olive oil, Sucrose, Yeasts.

12447-69
RELEVANCE OF METHIONINE, CYSTEINE, CYSTINE AND SULPHATE IN ARTIFICIAL FEEDING OF NEOMYZUS (AULACORTHUM) CIRCUMFLEXUS BUCKT. (APHIDAE, HOMOPTERA, INSECTA). (GE00)
P Ehrhardt
Biol Zentrolbl 88(3,MAY-JUN):335-348 REF
Jun 1969 442.8 B523
Biochemistry, Cystcine, Cystine, Insect nutrition, Insect physiology, Methionine, Neomyzus, Sulfatcs. English abstract.

12448-69
AGISTEMUS EXSERTUS AS A PREDATOR OF TWO TETRANICHID MITES.
E A Elbadry M R Abo-elghar S M Hassan S M Kilany
Entomol Soc Amer Ann 63(3):660-661
May 1969 420 EN82
Food habits, Insect eggs, Predaceous insects, Stigmaeidae, Tetranychidae, Tetranychus telarius.

12449-69
LIFE HISTORY STUDIES ON THE PREDATORY MITE AGISTEMUS EXSERTUS.
E A Elbadry M R Abo-elghar S M Kilany
Entomol Soc Amer Ann 63(3):649-651
May 1969 420 EN82
Insect biology, Predaceous insects, Stigmaeidae.

12450-69
DESCRIPTION OF THE MALE, THE LARVA AND THE NYMPH OF FICALBIA (ETORLEPTIOMYIA) XANTHOZONA VAN SOMEREN, 1948 (DIPTERA, CULICIDAE). (FR)
J P Eouzan L Ferrara A Rickenbach
Entomol Med Cahiers 5(4):223-227
1967 SB931.A1O3
Culicidae, Insect identification, Medical entomology. English summary.

12451-69
CHANGES IN A HETERODERA ROSTOCHIENSIS POPULATION THROUGH THE GROWING SEASON.
K Evans
Ann Appl Biol 64(1):31-41 REF
Aug 1969 442.8 AN72
Heterodera rostochiensis, Insect ecology, Plant nematodes, Population, Potatoes, Seasonal variation.

12452-69
GENETICALLY MARKED AEDES AEGYPTI IN STUDIES OF FIELD POPULATIONS.
R W Fay G B Craig
Mosquito News 29(1):121-127 REF
Mar 1969 421 M85
Aedes aegypti, Insect behavior, Population, Surveys.

12453-69
FURTHER STUDIES ON THE POLLINATION ECOLOGY OF FICUS SYCOMORUS L. (HYMENOPTERA, CHALCIDOIDEA, AGAONIDAE).
J Galil D Eisikowitch
Tijdschr Entomol 112(1):1-13 REF
09 May 1969 421 T21
Ficus sycomorus, Insect behavior, Insect ecology, Insect pollinators, Oviposition, Pollination.

12454-69
A LARGE MIGRATION OF THE AUSTRALIAN PAINTED LADY BUTTERFLY, VANESSA KERSHAWI (MCCOY), TO NEW ZEALAND.
G W Gibbs
New Zeol Entomol 4(2):14-21 MAP
Apr 1969 421 N48
Insect migration, Nymphalidae, Vanessa.

12455-69
THE PROBLEM OF AGE DETERMINATION IN ANOPHELES MELAS THEO. 1903, BY POLOVODOVA'S METHOD.
M E C Giglioli
Entomol Med Cohiers (3/4):157-177 REF
Mar 1965 SB931.A1O3
Anopheles, Dissection, Insect ecology, Insect physiology, Medical entomology, Surveys.

12456-69
BIPHASIC SYSTEM FOR SEPARATION OF SPORES AND CRYSTALS OF BACILLUS THURINGIENSIS.
N S Goodman R J Gottfried M H Rogoff

J Bacteriol 94(2):485
Aug 1967 448.3 J82
Bacillus thuringiensis, Bacteriology, Spores.

12457-69
MOSQUITO CONTROL.
N G Gratz
Entomol Med Cahiers (3/4):137-143 REF
Mar 1965 SB931.A1O3
Anopheles, Chemical control (insects), Culicidae, Insecticide resistant insects, Insecticides, Larvicides, Medical entomology. Many insecticides are discussed.

12458-69
OBSERVATIONS ON TANDEM-RUNNING, TENACITY AND AGGRESSION IN THE INDIAN RED ANT, OECOPHYLLA SMARAGDINA FABR..
C S Gupta
Trop Ecol 9(2):194-200 REF
Dec 1968 451 IN85
Formicidae, Insect behavior, Longevity.

12459-69
LYPOLYSIS OF TRIGLYEERIDES DURING COLD STORAGE OF EGGS OF CORN ROOTWORMS.
P L Guss
Ned Entomol 63(3):675-676
May 1969 420 N82
Cold storage, Diabrotica undecimpunctata howardi, Diabrotica virgifera, Glycerides, Insect eggs, Insect metabolism.

12460-69
THE SARCOPLASMIC RETICULUM AND ITS ASSOCIATION WITH THE T SYSTEM IN AN INSECT.
M Hagopian D Spiro
J Cell Biol 32(3):535-545 REF
Mar 1967 442.8 J828
Cytology, Electron microscopy, Insect physiology, Leucophaca maderae, Respiratory system, Sarcosomes.

12461-69
REPRODUCTIVE CAPACITY OF THE GREEN PEACH APHID ON MARYLAND TOBACCO.
F P Harrison
J Econ Entomol 62(3):593-596
16 Jun 1969 421 J822
Fertility, Insect physiology, Myzus persicae, Population, Reproduction, Statistical methods, Tobacco.

12462-69
A STUDY OF THE MORTALITY FACTORS ACTING UPON CYZENIS ALBICANS (FALL.), A TACHINID PARASITE OF THE WINTER MOTH (OPEROPHTERA BRUMATA (L.)).
M P Hassell
J Anat 38(2):329-339 REF
Jun 1969 447.8 J826
Cyzenis albicans, Geometridae, Insect biology, Mortality, Operophtera brumata, Parasitic insects, Population, Tachinidae.

12463-69
COMPARATIVE EFFECTS OF RESERPINE AND SEROTONIN CREATINE SULFATE ON OVIPOSITION IN THE HOUSE FLY.
S B Hays R L Hays I S Mims
Entomol Soc Amer Ann 63(3):662-664
May 1969 420 EN82
Insect behavior, Insect physiology, Musca domestica, Oviposition, Reserpine.

12464-69
THE POTENTIATION BETWEEN THANITE AND ARPROCARB IN THEIR ACTION ON HOUSEFLIES.
P S Hewlett
Ann Appl Biol 63(3):477-481
Jun 1969 442.8 AN72
Carbamates, Chemical control (insects), Insecticides, Isopropoxyphenyl N-methylcarbamate, 2-, Musca domestica, Potentiometry, Thanite, Thiocyanates.

12465-69
INSECT HORMONES: THEIR EFFECTS ON DIAPAUSE AND DEVELOPMENT OF HYMENOPTERA.
C Hsiao T H Hsiao
Life Sci 8(14,PT 11):767-774 REF
15 Jul 1969 442.8 L62
Ecdysone, Hormones, Insect physiology, Megachile rotundata, Nomia melanderi.

12466-69
EFFECTS OF TEMPERATURE ON DROSOPHILA. IV. ADAPTATION OF D. IMMIGRANS.
A S Hunter
Compar Biochem Physiol 24(2):327-333
Feb 1968 444.8 C73
Drosophila immigrans, Insect adaptation, Insect physiology, Temperature.

12467-69
ON THE SPECIFICITY OF VAGOIAVIRUS MELOLONTHAE. (FR)
B Hurpin P Robert
Entomophaga 12(2):175-180
1967 421 EN835
Insect diseases, Melolontha melolontha, Scarabaeidae, Vagoiavirus melolonthae. English abstract.

12468-69
APPLICATION OF OVITRAPS IN THE U. S. AEDES AEGYPTI ERADICATION PROGRAM.
W L Jakob G A Bevier
Mosquito News 29(1):55-62
Mar 1969 421 M85
Aedes aegypti, Eggs, Insect collecting equipment, Insect traps, Methodology, Surveys.

12469-69
TOXICITY OF CERTAIN PYRETHROIDS AND CARBAMATES TO THE CS STRAIN OF ONCOPELTUS FASCIATUS.
L T Jao H T Gordon
J Econ Entomol 62(3):612-616 REF
16 Jun 1969 421 J822
Aging, Biological assay, Carbamates, Dosage, Insecticides, Mortality, Oncopeltus fasciatus, Pyrethrum.

12470-69
THE NESTING ACTIVITIES OF THE VESPOID POTTER WASP EUMENES CAMPANIFORMIS ESURIENS (FABR.) COMPARED WITH THE ECOLOGICALLY SIMILAR SPHECOID SCELIPHRON MADRASPATANUM (FABR.) (HYMENOPTERA).
S D Jayakar H Spurway
Bombay Natur Hist Soc J 64(2):307-338
Aug 1967 513 B63
Eumenidae, Insect behavior, Nesting habits, Scelionidae.

12471-69
ISOLATION OF N, N-DIETHYL-M-TOLUAMIDE (DEET) FROM FEMALE PINK BOLLWORM MOTHS.
W A Jones M Jacobson
Science 159(3810):99-100
05 Jan 1968 470 SCI2
Deet, Insect biochemistry, Pectinophora gossypiella, Pheromones.

12472-69
EXPERIMENTAL TRANSMISSION OF ENTEROBACTERIACEAE BY INSECTS. 1. FATE OF SALMONELLA FED TO THE HIDE BEETLE DERMESTES MACULATUS AND A NOVEL METHOD FOR MOUNTING INSECTS.
R M Julseth J K Felix W E Burkholder R H Deibel
Appl Microbiol 17(5):710-713
May 1969 448.3 AP5
Dermestes maculatus, Enterobacteriaceae, Insect mounting, Insect physiology, Insect preservation, Insect vectors, Salmonella.

12473-69
ELECTROPHORETIC STUDIES OF SERUM PROTEINS OBTAINED FROM RADIOFREQUENCY-TREATED YELLOW MEALWORM LARVAE.
A M Kadoum
J Econ Entomol 62(3):745-746
16 Jun 1969 421 J822
Blood proteins, Dairy equipment, Electromagnetic waves, Electrophoresis, Insect physiology, Larvae, Tenebrio molitor.

12474-69
FATTY ACIDS IN BACILLUS LARVAE, BACILLUS LENTIMORBUS, AND BACILLUS POPILLIAE.
T Kaneda
J Bacteriol 98(1):143-146, REF
Apr 1969 448.3 J82
Bacillus larvae, Bacillus lentimorbus, Bacillus popilliae, Chromatography, Fatty acids, Insect diseases.

12475-69
SHOT-HOLE BORER OF TEA PLANT IN JAPAN.
T Kaneko
Jarq 2(2):19-21
1967 S19.J3
Biological control (insects), Chemical control (insects), Chemosterilants, Fungi, Fungicides, Insect ecology, Parasitism, Plant injuries, Platypodidae, Reproduction, Symbiosis, Tea, Xyleborus.

12476-69
STUDIES ON THE OLFACTORY STIMULI GUIDING THE BARK BEETLE BLASTOPHAGUS PINIPERDA L. (COLEOPTERA, SCOLYTIDAE) TO ITS HOST TREE.
E Kangas V Perttunen H Oksanen
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(3):181-211 REF
1967 421 SU7
Attractants, Blastophagus piniperda, Insect behavior, Insect physiology, Olfactory response, Phloem, Pinus, Scolytidae.

12477-69
LARVAL DEVELOPMENT OF AEDES AEGYPTI (L.) IN USED AUTO TIRES.
J E Keirans
Mosquito News 29(1):43-46
Mar 1969 421 M85
Aedes aegypti, Containers, Habitats, Insect physiology, Larvae.

12478-69
NEED FOR IMMEDIATE SUGAR AND ABILITY TO WITHSTAND THIRST BY NEWLY EMERGED ORIENTAL FRUIT FLIES, AND MEDITERRANEAN FRUIT FLIES UNTREATED OR SEXUALLY STERILIZED WITH GAMMA RADIATION.
I Keiser E L Schneider
J Econ Entomol 62(3):539-540
16 Jun 1969 421 J822
Ceratitis capitata, Dacus dorsalis, Gamma rays, Insect nutrition, Sterility, Sugar, Water.

12479-69
LONGEVITY, RESISTANCE TO DEPRIVATION OF FOOD AND WATER, AND SUSCEPTIBILITY TO MALATHION AND DDT OF ORIENTAL FRUIT FLIES, MELON FLIES, AND MEDITERRANEAN FRUIT FLIES SEXUALLY STERILIZED WITH TEPA OR RADIATION.
I Keiser E L Schneider
J Econ Entomol 62(3):663-667
16 Jun 1969 421 J822
Ceratitis capitata, Chemical control (insects), Chlorinated hydrocarbons, Cobalt isotopes, Dacus cucurbitae, Dacus dorsalis, DDT, Experimental insects, Fruit, Gamma rays, Insect nutrition, Insect pests, Insecticide resistant insects, Longevity, Malathion, Organophosphorus compounds, Sterility, Tepa, Water.

12480-69
DDT-DEHYDROCHLORINASE AND ALDRIN-EPOXIDASE ACTIVITY IN CORN EARWORM AND POLYPHEMUS MOTH LARVAE, AND HOUSE FLY ADULTS.
M A Q Khan
J Econ Entomol 62(3):723-725 REF
16 Jun 1969 421 J822
Aldrin, Antheraea polyphemus, Chlorinated hydrocarbons, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Dieldrin, DDT-DEHYDROCHLORINASE, Enzymes, Heliothis zea, Insect biochemistry, Insecticides, Metabolites, Musca domestica, Oxidases.

12481-69
FORMULATION OF A SEMISYNTHETIC NUTRIENT MEDIUM AND METHODS OF FEEDING OF LARVAE OF AGROTIS SEGETUM ON IT. (RUS)
E D Khlistovsky N V Uspenskaya
Zool Zhur 48(4):599-604
Apr 1969 410 R92
Agrotis segetum, Diet, Insect nutrition, Insect rearing, Larvae. English abstract.

12482-69
LABORATORY STUDIES OF THE MATING HABITS OF THE FACE FLY.
R A Killough E S McClellan
J Econ Entomol 62(3):551-555
16 Jun 1969 421 J822
Chemosterilants, Insect behavior, Musca autumnalis, Sex behavior, Sterility, Tepa. 8:1 ratio of sterilized to untreated males reduced pupal production 94 percent.

12483-69
ACCESSORY NUCLEI AND ANNULATE LAMELLAE IN HYMENOPTERAN OOCYTES.
P E King J G Richards
Nature 218(5140):488 REF
04 May 1968 472 N21
Cell nucleus, Hymenoptera, Ichneumonidae, Insect histology, Insect morphology, Nasonia vitripennis.

12484-69
ECOLOGICAL AND BIOLOGICAL DATA ON SYNOPSYLLUS FONQUERNIEI WAGNER AND ROUBAUD, 1932 (SIPHONAPTERA), A FLEA OF THE DOMESTIC RAT IN THE REGION OF TANANARIVE. (FR)
J M Klein
Entomol Med Cahiers 4(8):3-29 REF
1966 SB931.A1O3
Helminths, Insect biology, Insect ecology, Medical entomology, Parasitism, Rats, Siphonaptera, Xenopsylla cheopis, Zoogeography.

12485-69
STONES, CEMENT AND GUARDS IN HALICTINE NEST ARCHITECTURE AND DEFENSE.
G. Knerer
Entomol News (philadelphia) 80(6):141-147
Jun 1969 421 EN88
Halictidae, Insect behavior, Insect nests, Insect protective devices, Population.

12486-69
A SCORPION ATTACKING A PYGMY MOUSE. (GE00)
D Kock
Natur Mus 99(3):107-112 REF
Mar 1969 509 F856
Insect behavior, Mice, Scorpionida.

12487-69
ON THE EFFECT OF MATING AND NUTRITION ON THE REPRODUCTION OF CULEX PIPIENS FATIGANS WIEDEMANN.
F Kuhlow R Garms
Entomol Med Cahiers (3/4):91-96
Mar 1965 SB931.A1O3
Culex pipiens quinquefasciatus, Fertility, Insect behavior, Insect feeding, Insect nutrition, Medical entomology, Reproduction, Sex.

12488-69
OBSERVATIONS ON THE BIOLOGY OF MESIDIA NIGRA, A PARASITE OF IZIPHYA PUNCTATA.
C F Lagace
Entomol Soc Amer Ann 63(3):532-536 MAP
May 1969 420 EN82
Aphididae, Insect biology, Iziphya, Mesidia nigra, Parasitic insects.

12489-69
THE PERITROPHIC MEMBRANES IN ARTHROPODS, THEIR ROLE IN DIGESTION AND THEIR INTERVENTION IN THE DEVELOPMENT OF PARASITIC ORGANISMS. (FR)
R Le Berre
Entomol Med Cahiers 5(3):147-204 REF
1967 SB931.A1O3
Arthropoda, Insect metabolism, Medical entomology, Parasitism, Peritrophic membrane, Secretion. English summary

12490-69
PURIFICATION OF THE MALE FACTOR INCREASING EGG DEPOSITION IN D. MELANOGASTER.
M G. Leahy M L Lowe
Life Sci 6(2,PT 2):151-156
15 Jan 1967 442.8 L62
Chromatography, Drosophila melanogaster, Insect biochemistry, Ovulation, Secretion, Sex.

12491-69
OUTLINE LIFE HISTORIES OF SOME WEST AFRICAN LEPIDOPTERA. PART II LIMACODIDAE.
B J MacNulty
S London Entomol Natur Hist Soc Proc Trans 7(6,PT 1):1-12
Mar 1967 420 SO8
Insect biology, Limacodidae.

12492-69
OBSERVATIONS ON CERTAIN DRAGONFLIES (ODONATA) IN CENTRAL SCOTLAND.
P S Maitland
Glasgow Natur 18(9):479-476 REF
Dec 1967 472 G46
Habitats, Insect behavior, Odonata, Surveys.

12493-69
EFFECT OF INSECTICIDAL SPRAYS ON THE LONGEVITY AND FECUNDITY OF EUBLEMMA AMABILIS MOORE AND HOLCOCERA PULVEREA MEYR.
N Majumdar A Bhattacharya
Indian J Entomol 30(3):239-240
Sep 1968 420 IN23
Aldrin, Chlorinated hydrocarbons, Dieldrin, Eublemma amabilis, Fertility, Holcocera pulverea, Insecticides, Longevity, Toxicology.

12494-69
INTERCURRENT RESTING, A NEGLECTED ASPECT OF MOSQUITO BEHAVIOR. (ABSTRACT).
P F Mattingly
Entomol Med Cahiers (3/4):187
Mar 1965 SB931.A1O3
Culex pipiens quinquefasciatus, Hibernation, Insect behavior, Insect eggs, Medical entomology. Full text will be published in Bulletin of the World Health Organization .

12495-69
CHEMICAL ANALYSIS OF THE SCENT FLUID OF LEPTOGLOSSUS CLYPEATUS.
Brother C S C McCullough
Ned Entomol 63(3):673-674
May 1969 420 N82
Chemical analysis, Coreidae, Insect biochemistry, Scent glands.

12496-69
NOTES ON THE BIOLOGY OF CULEX TERRITANS WALKER.
S B McIver
Mosquito News 29(1):135-136
Mar 1969 421 M85
Culex, Insect behavior, Insect biology, Oviposition.

12497-69
AN AEDES VEXANS GYNANDROMORPH.
K L Minson
Mosquito News 29(1):135
Mar 1969 421 M85
Aedes vexans, Gynandromorphism, Insect morphology.

12498-69
THE EXPLOITATION AND CONSERVATION OF RESOURCES BY POPULATIONS OF INSECTS.
J Monro
J Anim Ecol 36(3):531-547 MAP REF
Oct 1967 410 J826
Dacus tryoni, Food habits, Insect behavior, Oviposition, Population, Reproduction.

12499-69
OINOPHILA V-FLAVA HAW. (LEP., TISCHERIDAE) IN A DISTILLERY WAREHOUSE.
B Morrison
S London Entomol Natur Hist Soc Proc Trans 7(6,PT 1):23
Mar 1967 420 SO8
Insect biology, Tischeriidae, Warehouses.

12500-69
X-RAY RADIATION EFFECTS ON SURVIVAL AND STERILITY OF ADULTS OF THE CEREAL LEAF BEETLE.
W C Myser W E Carey
J Econ Entomol 62(3):543-550 REF
16 Jun 1969 421 J822
Imagos, Insect eggs, Mortality, Oulema melanopus, Reproduction, Sterility, X-rays.

12501-69
INITIAL STUDIES ON THE EXTRACTION OF THE ACTIVE SUBSTANCE INDUCING MONOCOITIC BEHAVIOR IN HOUSE FLIES, BLACK BOW FLIES, AND SCREW-WORM FLIES.
D R Nelson T S Adams J G Pomonis
J Econ Entomol 62(3):634-639 REF
16 Jun 1969 421 J822
Aedes aegypti, Animal extracts, Biological assay, Chemistry, Cochliomyia hominivorax, Diptera, Insect behavior, Musca domestica, Phormia regina, Sex behavior.

12502-69
THE CAUSES OF SEXUAL DIFFERENCES IN THE SIZE OF APHELINUS ASYCHIS WALKER (HYM., APHELINIDAE). (GE)
H Nilbert
Z Parasitenk 32(3):220-236 REF
16 Jun 1969 442.8 Z33F
Aphelinus, Aphididae, Insect nutrition, Insect physiology, Parasitic insects. English abstract.

12503-69
ECOLOGY OF THE MOSQUITOES IN ARTIFICIALLY IRRIGATED MEADOWS OF SOUTHERN MORAVIA.
D Novak
Entomol Med Cahiers (3/4):35-38
Mar 1965 SB931.A1O3
Culicidae, Insect ecology, Irrigation, Medical entomology, Vegetation.

12504-69
GROWTH, LONGEVITY, AND THE FREQUENCY OF FEEDING OF GLOSSINA PALLIDIPES AUSTEN.
T R Odhiambo
Parasitology 58(4):801-817 REF
Nov 1968 448.8 P21
Feeding, Food habits, Glossina pallidipes, Hyalomma, Insect behavior, Insect physiology, Ixodidae, Longevity, Statistical analysis, Temperature.

12505-69
RESPONSES OF SPOTTED CUTWORM LARVAE TO VARIOUS INTESITIES AND WAVELENGTHS OF LIGHT.
D C Olson R W Rings
Entomol Soc Amer Ann 62(5):941-944
15 Sep 1969 420 EN82
Insect behavior, Larvae, Light, Noctuidae, Phototropism.

12506-69
PARASITISM ASSOCIATED WITH BRACHYPTEROUS MALES IN THE SUGARCANE LEAFHOPPER, PERKINSIELLA VITIENSIS.
A W Osborn
Ned Entomol 63(3):669-670
May 1969 420 N82
Insect physiology, Parasitic insects, Perkinsiella saccharicida, Stylopidae.

12507-69
METEPA AS A CHEMOSTERILANT FOR ADULT FEMALE PINK BOLLWORMS.
M T Ouye R D Garcia A A Guerra M J Lukefahr
J Econ Entomol 62(3):650-652
16 Jun 1969 421 J822
Chemosterilants, Fertility, Imagos, Insect behavior, Longevity, Metepa, Pectinophora gossypiella, Reproduction, Sex behavior, Sterility.

12508-69
NOTES ON THE BIOLOGY OF ANOPHELES HARGREAVESI (EVANS), 1927, AND ANOPHELES PALUDIS THEOBALD, 1900, IN THE SOUTH OF YAOUNDE (CAMEROON), ALONG THE NYONG RIVER. (FR)
F X Pajot L G Segers
Entomol Med Cahiers (2):3-15 MAP REF
Oct 1964 SB931.A1O3
Anopheles, Human diseases, Insect biology, Insect populations, Insect vectors, Malaria, Medical entomology, Zoogeography. English summary.

12509-69
PRACTICAL IMPLICATIONS OF INSECTICIDE RESISTANCE IN CULICINE MOSQUITOES.
R Pal
Entomol Med Cahiers (3/4):119-126 MAP REF
Mar 1965 SB931.A1O3
Aedes, Chemical control (insects), Chlorinated hydrocarbons, Culex, Insect vectors, Insecticide resistant insects, Medical entomology, Organophosphorus compounds, Phenoxy acid compounds, Zoogeography.

The insects were resistant to the following insecticides: ddt, dieldrin, lindane, malathion, dipterex, and toxaphene.

12510-69
A LABORATORY REARING OF PARASCOTIA FULIGINARIA L. (LEP., NOCTUIDAE). (GE00)
F Peking
Entomol Z 79(15):171
01 Aug 1967 421 EN85
Insect rearing, Noctuidae.

12511-69
ATROPHY AND DEVELOPMENTAL ABNORMALITY IN INSECTS EXPOSED TO DODECYL ALCOHOL.
R J Pence M S Viray
J Econ Entomol 62(3):622-629 REF
16 Jun 1969 421 J822
Dodecyl alcohol, Experimental insects, Insect abnormalities, Insect pests, Insect physiology.

12512-69
CHEMICAL FACTORS OF WATER IN TREE HOLES AND RELATED BREEDING OF MOSQUITOES.
J J Petersen H C Chapman
Mosquito News 29(1):29-36 REF
Mar 1969 421 M85
Environment, Ficalbia, Habitats, Insect physiology, Insect rearing, Minerals, Trees, Water.

12513-69
DNA SYNTHESIS IN THE GAINT SALIVARY CHROMOSOMES OF DROSOPHILA VIRILIS PROIR TO PUPATION.
B J Pettit R W Rasch E M Rasch
J Exp Med 69(3):273-280 REF
Jun 1967 448.8 J822
Chromosomes, Deoxyribonucleic acid, Drosophila virilis, Insect biochemistry, Larvae, Salivary glands (insects).

12514-69
ORGANOPHOSPHORUS COMPOUNDS. VI. - STRUCTURE AND ACTIVITY OF CERTAIN 4-(DIETHOXYPHOSPHINOTHIOYLT HIOMETHYL)4H-1,3,4-OXADIAZOLINE-5-THIONES, OF CERTAIN 4-DIETHOXYPHOSPHINOTHIOYLTHIOMETHYL-THIAZOLES, AND RELATED COMPOUNDS.
M Pianka
J Sci Food Agr 19(8):475-480 REF
Aug 1968 382 SO12
Aphis fabae, Chemical reactions, Insecticides, Musca domestica, Organophosphorus compounds, Plutella maculipennis, Spectroscopy, Tables (data), Tetranychus telarius, Thiazole compounds.

12515-69
HOUSE FLY RESPONSE TO FLUORESCENT LAMPS: INFLUENCED BY FLY AGE AND NUTRITION, AIR TEMPERATURE, AND POSITION OF LAMPS.
L G Pickens N O Morgan R W Thim Ijan
J Econ Entomol 62(3):536-539 REF
16 Jun 1969 421 J822
Aging, Attractants, Fluorescent lamps, Insect nutrition, Light traps, Musca domestica, Temperature.

12516-69
INSECT NEUROMETAMORPHIS. IV. EFFECTS OF THE BRAIN AND SYNTHETIC ALPHA-ECDYSONE UPON INTERGANGLIONIC CONNECTIVE SHORTENING IN GALLERIA MELLONELLA (L.) (LEPIDOPTERA).
R L Pipa
J Exp Zool 170(2):181-192 REF
Feb 1969 410 J825
Brain, Ecdysone, Galleria mellonella, Hormones, Insect biochemistry, Metamorphosis, Nerves, Pupae.

12517-69
COMPARATIVE RESISTANCE TO SEDIMENTATION OF THREE DIFFERENT STRAINS OF SIGMA VIRUS OF DROSOPHILA.
N Plus
Arch Gesamte Virusforsch 25(3-4):352-358 REF
Dec 1968 448.3 AR23
Drosophila, Insect diseases, Temperature, Viruses.

12518-69
LABORATORY REARING OF THE SPINACH LEAF MINER PEGOMYIA HYOSCYAMI PANZ.
J Pospisil
Acta Ent Bohemoslov 59(1):9-11
1962 420 C33
Insect nutrition, Insect physiology, Insect rearing, Pegomya hyoscyami, Phytophagous insects, Sugar beets. Czech summary.

12519-69
A NOTE ON VANESSA KERSHAWI (MCCOY) IN AUCKLAND. PRESENTING EVIDENCE OF AN UNUSUAL HOST PLANT.
E D Pritchard
New Zeal Entomol 4(2):11-12
Apr 1969 421 N48
Food habits, Insect biology, Nymphalidae, Vanessa.

12520-69
MATERNAL AGE AS AN ECOLOGICAL FACTOR IN THE POPULATION DYNAMICS OF THE EUROPEAN CORN BORER, OSTRINIA NUBILALIS.
R S Raros H C Chiang
Entomol Exp Appl 12(1):74-80
1969 421 EN895
Aging, Insect ecology, Insect eggs, Ostrinia nubilalis, Population.

12521-69
STUDIES ON NEPHUS REGULARIS (COLEOPTERA: COCCINELLIDAE) AS A PREDATOR OF THE STRIPED MEALYBUG IN MADHYA PRADESH (INDIA).
R R Rawat B N Modi
Entomol Soc Amer Ann 62(5):953-956
15 Sep 1969 420 EN82
Coccinellidae, Insect biology, Predaceous insects, Pseudococcidae.

12522-69
A COMPARATIVE STUDY ON THE FINE STRUCTURE OF THE BASALAR MUSCLE OF THE WING AND THE TIBIAL EXTENSOR MUSCLE OF THE LEG OF THE LEPIDOPTERAN ACHALARUS LYCIADES.
J F Reger D P Cooper
J Cell Biol 33(3):531-542 REF
Jun 1967 442.8 J828
Achalarus lyciades, Cytology, Electron microscopy, Hesperiidae, Muscles, Sarcosomes.

12523-69
OBSERVATIONS ON PREDATION BY THE WASP ANOPLIUS ITHACA (POMPILIDAE) ON THE WOLF SPIDER, DARDOSA GROENLANDICA (LYCOSIDAE).
D Richards
Entomol News (philadelphia) 80(6):149-157
Jun 1969 421 EN88
Anoplius, Insect behavior, Pardosa, Predaceous insects.

12524-69
PROTEOLYTIC ENZYMES IN THE SALIVARY GLAND OF CHIRONOMUS TENTANS.
A E Rodems P A Hendrikson U Clever
Experientia 25(7):686-687 REF
15 Jul 1969 475 EX7
Chironomus tentans, Insect biochemistry, Insect physiology, Proteinases, Salivary glands (insects).

12525-69
ON A NEW SPECIES OF AGAMERMIS (MERMITHIDAE) OF A BUG IN POLAND.
I A Rubzev
Acta Parasitol Polon 16(1-19):97-100
15 Feb 1969 436.8 AC8
Biological control (insects), Insect diseases, Larvae, Mermithidae.

12526-69
EYES OF THE FEMALE TWO-SPOTTED SPIDER MITE, TETRANYCHUS URTICUE. III BEHAVIORAL ANALYSIS OF THE PHOTORECEPTORS.
W D Enroe K Dronka
Entomol Soc Amer Ann 62(3):466-469
May 1969 420 EN82
Eyes, Insect behavior, Tetranychus urticae.

On the basis of behavioral analysis the following functions are assigned to the eyes of adult female Tetranychus urticae (Koch). The scanning anterior eyes have receptors for both the near ultraviolet and green spectral regions. The posterior eyes have a receptor for the near untraviolet spectral region. A logic, based on behavior responses, is postulated for the interaction of the receptors.

12527-69
EFFICACY OF MALATHION ON WHEAT GRAINS AGAINST TROGODERMA GRANARIUM EVERTS AT CONSTANT TEMPERATURES.
M L Saini J S Sarai
Bull Grain Technol 6(1):5-10
Mar 1968 TS2120.B8
Dosage, Grain, Insect pests, Malathion, Organophosphorus compounds, Temperature, Trogoderma granarium.

12528-69
INHIBITION OF OVARY DEVELOPMENT OF THE FRUIT-FLY, DROSOPHILA

MELANOGASTER BY SYNTHETIC QUEEN SUBSTANCE.
A Sannasi
Life Sci 8(14,PT 11):785-789
15 Jul 1969 442.8 L62
Drosophila melanogaster, Hormones, Insect physiology, Oogenesis, Ovaries, Pheromones.

12529-69
RELATIONSHIP OF SIZE OF FECAL PELLETS TO LARVAL MOLTS IN LEPIDOPTERA.
J B Sardesai
Entomol Soc Amer Ann 63(3):662
May 1969 420 EN82
Feces, Insect physiology, Larvae, Lepidoptera, Molting (insects).

12530-69
ICONOGRAPHY OF THE EGGS OF THE LEPIDOTERA FAUNA OF BELGIUM. (FR)
L G Sarlet
Lambillionea 66(9/10):77-80
05 Sep 1967 420 N15
Insect biology, Insect eggs, Lepidoptera, Zoogeography. Continuation and to be continued.

12531-69
TRYPTOPHAN IS NOT ASSIMILATED IN BREATHING BY INSECTS. (GE
W Schartau B Linzen
Naturwissenschaften 56(6):329
Jun 1969 474 N213
Carbon dioxide, Carbon-14, Insect biochemistry, Insect respiration, Radioactive tracers, Tryptophan.

12532-69
ANATOMICAL AND HISTOLOGICAL CHANGES IN INTERNAL ORGANS OF ADULT TRYPODENDRON LINEATUM, GNATHOTRICHUS RETUSUS AND G. SULCATUS (COLEOPTERA: SCOLYTIDAE).
I Schneider J A Rudinsky
Entomol Soc Amer Ann 62(5):995-1003
15 Sep 1969 420 EN82
Digestion, Fat body, Histology, Insect anatomy, Malpighian tubes, Reproductive organs, Salivary glands, Scolytidae.

12533-69
COMPOUNDS RELATED TO JUVENILE HORMONE. III.
M Schwarz B H Braun M W Law P E Sonnet Wakabayashi
Ned Entomol 63(3):668-669
May 1969 420 N82
Biological assay, Chemical structure, Hormones, Juvenile hormone, Tenebrio molitor.

12534-69
AN APPRAISAL OF ADULT MOSQUITO TRAPPING TECHNIQUES USED IN NIGERIA, WEST AFRICA.
M W Service J P T Boorman
Entomol Med Cahiers (3/4):27-33 REF
Mar 1965 SB931.A1O3
Baits, Culicidae, Insect collecting equipment, Insect traps, Insect vectors, Malaria, Medical entomology, Methodology.

12535-69
HISTOPATHOLOGICAL AND DEVELOPMENTAL EFFECTS OF THE CHEMOSTERILANT APHOLATE, ON THE MOSQUITO AEDES AEGYPTI.
V P Sharma K S Rai
Mosquito News 29(1):9-14 REF
Mar 1969 421 M85
Aedes aegypti, Apholate, Chemosterilants, Insect histology, Insect physiology, Toxicology.

12536-69
A DEVICE FOR PROTECTING EXPERIMENTAL HUTS FROM MOLESTATION.
S L Shrestha A M Rao B T Whitworth
Mosquito News 29(1):133-134
Mar 1969 421 M85
Insect traps, Methodology, Monkeys, Pest control, Surveys.

12537-69
STUDIES ON THE ALIMENTARY CANAL OF ODOIPORUS LONGICOLLIS. I. MORPHOLOGY.
G S Shukla K Kumar
Entomol Soc Amer Ann 63(3):664-665
May 1969 420 EN82
Curculionidae, Gastrointestinal system, Insect morphology.

12538-69
BLOOD MEALS AND EGG PRODUCTION OF CULISETA ALASKAENSIS (LUDLOW) IN CAPTIVITY (DIPTERA: CULICIDAE).
K M Sommerman
Mosquito News 29(1):65-69
Mar 1969 421 M85
Blood meal, Culiseta, Insect rearing, Oogenesis.

12539-69
COMPOUNDS RELATED TO JUVENILE HORMONE. II.
P E Sonnet B H Braun M W Law M Schuarz N Wakabayashi
Ned Entomol 63(3):667-668 REF
May 1969 420 N82
Biological assay, Chemical structure, Hormones, Juvenile hormone, Tenebrio molitor.

12540-69
STEMPELLIA SCOLYTI (WEISER) COMB. NOV. AND NOSEMA SCOLYTI SP. N. MICROSPORIDAN PARASITES OF FOUR SPECIES OF SCOLYTUS (COLEOPTERA).
Amer J Epidemiol 6(1-11):69-77
1969 449.8 AM3
Biological control (insects), Fungus diseases (plants), Insect diseases, Insect vectors, Nosema, Parasitism, Protozoa, Scolytus, Stempellia, Zoogeography. Polish summary.

12541-69
DEFORMATION OF PUPARIA OF THE HOUSEFLY (MUSCA DOMESTICA L.) ON TREATMENT WITH ORGANOPHOSPHORUS INSECTISIDES. (POL)
B Styczynska A A Krzminska
Warsaw Panstw Zakl Hig Rocz 18(3):337-343
1967 449.9 W26
Dichlorvos, Insect abnormalities, Insect morphology, Insecticides, Malathion, Musca domestica, Organophosphorus compounds, Pupal cases, Trichlorfon. English and Russian summaries.

12542-69
BIONOMICS OF CARPOPHILUS FOVEICOLLIS MURR. IN PINEAPPLE.
K M Tan Y C Wee W S Chong
Malaysian Agr J 47(1):4-13
Jan 1969 22.5 F312
Carpophilus, Food habits, Insect biology, Insect ecology, Nitidulidae, Pineapples, Sex behavior.

12543-69
OVIPOSITION TRAPS AND POPULATION SAMPLING FOR THE DISTRIBUTION OF AEDES AEGYPTI (L.).
G D Tanner
Mosquito News 29(1):116-121 MAP
Mar 1969 421 M85
Aedes aegypti, Ficalbia, Insect traps, Oviposition, Population, Seasonal variation.

12544-69
CONTRIBUTION TO THE STUDY OF ECTOPARASITES OF VERTEBRATES IN THE CENTRAL AFRICAN REPUBLIC. (FR)
R Taufflieb A Chippaux A Rickenbach
Entomol Med Cahiers 5(2):115-125 MAP
1967 SB931.A1O3
Ectoparasites, Insectivores, Medical entomology, Mesostigmata, Trombiculidae, Vertebrates. English summary.

12545-69
CONTROL OF ACARIDS WITH TRIPHENYL TIN COMPOUNDS. PATENT 3,445,575.
J L Taylor
Us Patent Office Offic Gaz 862(3):890
20 May 1969 156.65 OF2
Acaridae, Insect control, Insecticides, Patents, Tetranychidae, Triphenyl tin compounds.

12546-69
AMPHIBOLUS VENATOR (KLUG) (HEMIPTERA-HETEROPTERA)-A PREDATOR ON INSECT PESTS OF STORED PRODUCTS.
V B Tembe V V Surlikar
Bull Grain Technol 6(1):24-26
Mar 1968 TS2120.B8
Biological control (insects), Insect pests, Predaceous insects, Stored products, Tribolium, Trogoderma granarium.

12547-69
INFLUENCE OF TEMPERATURE AND DIET ON ATTAINMENT OF FIRM DIAPAUSE IN THE BOLL WEEVIL.
F C Tingle E P Lloyd
J Econ Entomol 62(3):596-599
16 Jun 1969 421 J822
Anthonomus grandis, Fats, Food moisture, Insect nutrition, Insect physiology, Temperature.

12548-69
SEX PHEROMONE OF THE ERI-SILKWORM MOTH, PHILOSAMIA CYNTHIA RICINI DONOVAN (LEPIDOPTERA: STAURNIIDAE).
I Tomida S Ishii
Appl Entomol Zool 3(3):103-106
Sep 1968 SB599.A6
Alcohols, Biological assay, Carbonyl group, Extracts, Insect physiology, Pheromones, Samia cynthia.

12549-69
PARASITES OF MOSQUITOES IN SOUTHWESTERN WYOMING AND NORTHERN UTAH.
Y H Tsai A W Grundmann D M Rees
Mosquito News 29(1):102-110
Mar 1969 421 M85
Ficalbia, Insect diseases, Parasitism, Surveys.

12550-69
STUDY OF THE MORPHOLOGICAL AND ANATOMICAL CHARACTERISTICS OF FEMALE GLOSSINA AND THEIR RELATIONSHIP TO PHYSIOLOGICAL AGE. (FR)
G Vattier
Entomol Med Cahiers (2):21-53
Oct 1964 SB931.A1O3
Glossina, Insect anatomy, Insect morphology, Medical entomology, Reproduction. English summary.

12551-69
LIPIDS IN THE HAEMOLYMPH OF THE CRICKET, ACHETA DOMESTICUS.
C M Wang R L Patton
J Insect Physiol 15(5):851-860 REF
May 1969 421 J825
Acheta domesticus, Cholesterol, Fatty acids, Hemolymph, Insect biochemistry, Lipids, Sterols.

The total lipid content of cricket haemolymph ranges from 1.5 per cent in the mature larvae to 2.7 per cent in young adults. Cholesterol is the principal sterol. Phosphatidyl ethanolamine is the most abundant of the phospholipids. Fatty acids with carbon chains from C-12 to C-20 were identified with palmitic acid predominating. Esterified sterols were not detected in the hemolymph and probably play no significant role in the transport.

12552-69
HOW PHYSIOLOGICAL CHANGES IN THE SPRING RAPE INFLUENCE THE DISTRIBUTION DENSITY OF THE CABBAGE APHID (BREVICORYNE BRASSICAE L.). (GE00)
L Weissmann M Baran
Biologia (bratislava) 24(5):375-383 REF

1969 442.8 B5265
Brevicoryne brassicae, Food habits, Insect behavior, Population, Rape. Russian abstract

12553-69
OBSERVATIONS ON RHYPODES CHIWAI USINGER (HEMIPTERA: LYGAEIDAE).
E G White
New Zeal Entomol 4(2):21-22
Apr 1969 421 N48
Eggs, Insect biology, Lygacidac, Mites, Mortality, Parasitic insects.

12554-69
PHOTOPERIODISM IN RELATION TO DEVELOPMENT AND REPRODUCTION IN THE GREEN STINK BUG.
G E Wilde
J Econ Entomol 62(3):629-630 REF
16 Jun 1969 421 J822
Acrosternum hilare, Fertility, Insect eggs, Insect physiology, Photoperiodism, Reproduction.

12555-69
COMPETITION AND SURVIVAL AMONG THE CORN EARWORM, THE TOBACCO BUDWORM, AND THE FALL ARMYWORM.
B R Wiseman W W McMillan
J Econ Entomol 62(3):734-735
421 J822
Corn, Heliothis virescens, Heliothis zea, Insect pests, Larvae, Mortality, Plant injuries, Spodoptera frugiperda.

12556-69
FEEDING RESPONSE OF LARVAE OF THE CORN EARWORM (LEPIDOPTERA: NOCTUIDAE) TO WATER EXTRACTS OF 16 HOST PLANTS.
B R Wiseman W W McMillian Rl Burton
Ga Entomol Soc J 4(1):15-22
Jan 1969 QL461.G4
Feed, Heliothis zea, Insect behavior, Plant extracts, Stimulants, Tomatoes. 16 host plants were used.

12557-69
THE POLLINATING ACTIVITIES OF BUMBLE BEES AND HONEYBEES IN RELATION TO TEMPERATURE, COMPETING FORAGE PLANTS, AND COMPETITION FROM OTHER FORAGERS.
E C Wratt
J Apicult Res 7(2):61-66
1968 424.8 J82
Alfalfa, Apis mellifcra, Bombus, Forage plants, Insect behavior, Insect pollinators, Red clover, Temperature.

12558-69
ABSORPTION AND METABOLISM OF FENTHION IN BLOOD-SUCKING ARTHROPODS.
S Y Young R S Berger
J Econ Entomol 62(3):727-728
16 Jun 1969 421 J822
Absorption, Animal extracts, Cimex lectularius, Excreta, Fenthion, Insect metabolism, Insecticides, Metabolitcs, Organophosphorus compounds, Radioactive tracers, Stomoxys calcitrans, Sulfur isotopes.

12559-69
LIPIDS OF THE MUTANT BRONZE MOSQUITO, AEDES AEGYPTI (L.).
W J Yurkicwicz S C Bhalla
Entomol News (philadelphia) 80(7):177-184 REF
Jul 1969 421 EN88
Aedes aegypti, Hatching, Insect biochemistry, Insect genetics, Lipids.

GENETICS

12560-69
DISRUPTIVE SELECTION FOR STERNOPLEURAL BRISTLE NUMBER IN DROSOPHILA MELANOGASTER.
J S F Barker L J Cummins
Genet Soc Amer Rec 61(3):697-712 REF
Mar 1969 442.9 G28
Drosophila melanogaster, Insect genetics, Insect morphology, Population.

12561-69
THE EFFECT OF SELECTION FOR STERNOPLEURAL BRISTLE NUMBER ON MATING BEHAVIOR IN DROSOPHILA MELANOGASTER.
J S F Barker L C Cummins
Genet Soc Amer Rec 61(3):713-719
Mar 1969 442.9 G28
Drosophila melanogaster, Insect behavior, Insect genetics, Insect morphology.

12562-69
PARALLEL POLYMORPHISMS IN DIFFERENT SPECIES OF HAWAIIAN DROSOPHILA.
H L Carson
Amer Natur 103(932JUL-AUG):323-329 MAP
Aug 1969 470 AM36
Drosophila, Insect evolution, Insect genetics, Polymorphism.

12563-69
RESISTANCE TO DIELDRIN OF CULEX PIPIENS FATIGANS IN THE CITY OF BOBO-DIOULASSO (UPPER VOLTA). METHODS OF STUDY AND GENETIC DETERMINISM.
J Hamon S Salcs R Subra
Entomol Med Cahiers 5(4):229-261 REF
1967 SB931.A1O3
Chlorinated hydrocarbons, Culex, Dieldrin, Insect genetics, Insecticidc resistant insects, Medical entomology. English summary.

12564-69
A DEVIANT SEX RATIO IN DROSOPHILA MELANOGASTER.
G D Hanks
Genet Soc Amer Rec 61(3):595-605 REF
Mar 1969 442.9 G28
Drosophila melanogaster, Insect mutation, Mutation, Population.

12565-69
TEMPERATURE INDUCTION OF PHENODEVIANTS IN DROSOPHILA MELANOGASTER MUTANTS.
H F Hoenigsberg
J Genet 60(1):1-9 REF
Dec 1968 442.8 J823
Drosophila melanogaster, Insect genetics, Insect mutation, Polymorphism, Temperature.

12566-69
INCOMPATIBILITY TESTS IN THE CULEX PIPIENS COMPLEX. PART I. AFRICAN STRAINS. PART II. EGYPTIAN STRAINS.
H Laven
Mosquito News 29(1):70-83 MAP
Mar 1969 421 M85
Culex pipiens, Insect behavior, Insect genetics, Insect taxonomy, Sterility.

12567-69
TETRAPLOID FEMALES IN MORMONIELLA.
R M Macy P W Whiting
Genet Soc Amer Rec 61(3):619-630 REF
Mar 1969 442.9 G28
Cytogenetics, Insect genctics, Meiosis, Nasonia.

12568-69
THE CAUSES OF MALE STERILITY IN A. GAMBIAE A-B GROUP CROSSES. (ABSTRACT).
G F Mason
Entomol Med Cahiers (3/4):185-186
Mar 1965 SB931.A1O3
Anopheles gambiae, Chromosomes, Insect genctics, Medical entomology, Sterility. Full text will appear in Rivista di Malariologia .

12569-69
MONOFACTORIAL INHERITANCE OF AUTOGENY IN AEDES ATROPALPUS.
G F O'Meara G B Craig
Mosquito News 29(1):14-22 REF
Mar 1969 421 M85
Aedes atropalpus, Autogeny, Genes, Insect genetics.

12570-69
DIRECT EVIDENCE FOR THE SPECIFIC DISTINCTNESS OF FORMS A, B AND C OF THE ANOPHELES GAMBIAE COMPLES. (ABSTRACT).
H E Paterson
Entomol Med Cahiers (3/4):179-180
Mar 1965 SB931.A1O3
Anophcles gambiae, Chromosomes, Insect genetics, Insect idcntification, Insect rearing, Medical entomology. A more detailed report will appear in Rivista di Malariologia .

12571-69
GENIC VARIATION IN A NATURAL POPULATION OF DROSOPHILA PERSIMILIS.
S Prakash
Nat Acad Sci Proc 62(3):778-784
Mar 1969 500 N21P
Drosophila persimilis, Electrophoresis, Genes, Insect genetics, Insect morphology, Population.

12572-69
RED-ROSE LINKAGE IN THE GERMAN COCKROACH.
M H Ross D G Cochran
Entomol Soc Amer Ann 63(3):665-666
May 1969 420 EN82
Blattella germanica, Chromosomes, Eyes, Insect genctics, Insect mutation.

12573-69
RARE PSEUDOALLELIC CROSSOVER BETWEEN TWO PHENOTYPICALLY IDENTICAL ALLELES AT A RESTRICTED SUBLOCUS OF DUMPY IN DROSOPHILA MELANOGASTER.
R Sederoff
Nature 216(5122):1348-1349
30 Dec 1967 472 N21
Alleles, Drosophila melanogaster, Insect genetics, Insect rearing.

12574-69
KARYOECOLOGY OF SIMULIDS (DIPTERA, SIMULIIDAE). GENOME STRUCTURE OF KARYOPOOL IN ODAGMIA ORNATA MG. WITH ACCESSORY CHROMOSOMES. (RUS)
E S Shcherbakov
Zool Zhur 48(4):559-566 REF
Apr 1969 410 R92
Chromosomes, Insect genetics, Population, Seasonal variation, Simuliidae. English abstract.

12575-69
THE ECOLOGY OF SELECTION IN HYBRID POPULATIONS OF TRIBOLIUM CASTANEUM.
R R Sokal F J Sonleitner
Ecol Monogr 38(4,AUTUMN):395-379 REF
1968 410 EC72
Insect ecology, Insect genetics, Insect rearing, Population, Tribolium castaneum.

12576-69
EXPERIMENTS ON SELECTION FOR DEVELOPMENTAL RATE IN DROSOPHILA MELANOGASTER.
P M A Tigerstedt
Suomalainen Tiedeakatemia Ann Ser A Iv Biol (148):3-58 REF
1969 442.9 H36
Development, Drosophila melanogaster, Insect genetics, Insect physiology, Insect rearing, Population.

MEDICAL ENTOMOLOGY

12577-69
TRANSMISSION OF HAMOSPORIDIORIDA BY CAVE-DWELLING ANOPHELES IN THE GROTTOS OF THE CONGO. (FR)
J P Adam
Entomol Med Cahiers (3/4):189-190

Mar 1965 SB931.A1O3
Anopheles, Bats, Disease transmission, Haemosporidia, Insect diseases, Parasitism, Plasmodium.

Extract from the report of a group project on the Plasmodia of rodents and bats carried out in 1962 and 1963 under the sponsorship of the World Health Organization.

12578-69
COWBONE RIDGE VIRUS, A NEW GROUP B ARBOVIRUS FROM SOUTH FLORIDA.
C H Calisher J Davie P H Coleman R D Lord T H Work
Amer J Epidemiol 89(2):211-216 REF
Feb 1969 449.8 AM3
Arboviruses, Rodents, Saint louis encephalitis virus, Virology, Virus diseases (animals).

12579-69
ARBOVIRUS STUDIES IN SOUTH FLORIDA, WITH EMPHASIS ON VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS.
W D S Chamberlain T H Work P H Coleman V F Newhouse J G Johnston W D Sudia
Amer J Epidemiol 89(2):197-210 MAP REF
Feb 1969 449.8 AM3
Arboviruses, Culicidae, Insect vectors, Rodents, Venezuelan equine encephalitis virus, Virology.

12580-69
ENTOMOLOGICAL STUDIES ON THE TRANSMISSION OF HUMAN MALARIA IN A DENSE, HUMID FOREST ZONE, SASSANDRA REGION, IVORY COAST. (FR)
J Coz J Hamon S Sales M Eyraud J Brengues R Subra
Entomol Med Cahiers 4(7):13-42 MAP REF
Sep 1966 SB931.A1O3
Anopheles, Disease transmission, Human diseases, Insect vectors, Malaria, Medical entomology, Surveys, Zoogeography. English summary.

12581-69
EPIDEMIC ROLE OF TICKS OF THE GENERA DERMACENTOR AND IXODES PERSULCATUS P. SCH. IN MOUNTAIN FOCI OF TICK-BORNE ENCEPHALITIS DEPENDING UPON ACTIVITY OF THEIR ATTACKS ON MAN. (RUS)
N K Dmitrienko E T Prikhodko
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):588-591
1968 448.8 M469
Dermacentor, Encephalitis, Epidemiology, Human diseases, Insect behavior, Insect biology, Insect vectors, Ixodes persulcatus, Medical entomology. English summary.

12582-69
PAHAYOKEE AND SHARK RIVER, TWO NEW ARBOVIRUSES RELATED TO PATOIS AND ZEGLA FROM THE FLORIDA EVERGLADES.
B N Fields B E Henderson P H Coleman T H Work
Amer J Epidemiol 89(2):222-226 REF
Feb 1969 449.8 AM3
Arboviruses, Culicidae, Taxonomy, Virology.

12583-69
PROMISING CHEMICALS FOR CONTROL OF ADULT MOSQUITOES.
B M Glancey K F Baldwin C S Lofgren
Mosquito News 29(1))36-38
Mar 1969 421 M85
Carbamates, Chemical control (insects), Ficalbia, Insect control, Insecticides, Organophosphorus compounds.

12584-69
NEW ECOLOGICAL DATA ON VECTORS OF HUMAN MALARIA IN AFRICA. (FR
J Hamon G Chaulet J Mouchet
Entomol Med Cahiers (1):5-16 REF
Dec 1963 SB931.A1O3
Anopheles, Anopheles funestus, Anopheles gambiae, Human diseases, Insect ecology, Insect vectors, Malaria, Medical entomology. English and Spanish summaries.

12585-69
GUMBO LIMBO, A NEW GROUP C ARBOVIRUS FROM THE FLORIDA EVERGLADES.
B E Henderson C H Calisher P H Coleman B N Fields T H Work
Amer J Epidemiol 89(2):227-231 REF
Feb 1969 449.8 AM3
Arboviruses, Culicidae, Mice, Virology. Many arboviruses from group C are discussed.

12586-69
FACTORS AFFECTING THE TRANSMISSION OF FILARIAE: THE EFFECT OF PARASITIZATION BY BRUGIA MALAYI IN LABORATORY POPULATIONS OF AEDES AEGYPTI.
W W Macdonald
Entomol Med Cahiers (3/4):111-113 REF
Mar 1965 SB931.A1O3
Aedes, Disease transmission, Filariasis, Insect vectors, Medical entomology, Nematode infestation, Parasitism.

12587-69
EVALUATION OF MULTI-ENGINE AIRCRAFT IN THE ULV APPLICATION OF DIBROM.
W C Machado A J Blake E S Bordes G T Carmichael
Mosquito News 29(1):47-52
Mar 1969 421 M85
Aircraft, Insecticide application, Naled, Organophosphorus compounds, Ultra low volume applications.

12588-69
TRANSMISSION OF BANCROFT FILARIASIS IN THE ETHIOPIAN REGION. (FR)
J Mouchet A Grjebine P Grenier
Entomol Med Cahiers (3/4):67-90 REF
Mar 1965 SB931.A1O3
Animal diseases, Anopheles funestus, Anopheles gambiae, Culex pipiens quinquefasciatus, Filariasis, Human diseases, Insect vectors, Mansonia, Parasitism. English summary

12589-69
CONTROL OF ADULT MOSQUITOES IN ALASKA WITH MALATHION.
G A Mount J G McWilliams C T Adams
Mosquito News 29(1):84-86
Mar 1969 421 M85
Chemical control (insects), Ficalbia, Insecticides, Malathion, Organophosphorus compounds.

12590-69
NEW INSECTICIDES EVALUATED AS NONTHERMAL AEROSOLS AGAINST AEDES TAENIORHYNCHUS (WIEDEMANN).
G A Mount N W Pierce C S Lofgren
Mosquito News 29(1):53-54
Mar 1969 421 M85
Aedes taeniorhynchus, Biological assay, Carbamates, Chemical control (insects), Insecticidal aerosols, Insecticides, Organophosphorus compounds.

12591-69
CONTROL OF ORIENTAL RAT FLEA IN VIETNAM WITH DIAZINON DUST.
W P Olson
J Econ Entomol 62(3):656-660 MAP
16 Jun 1969 421 J822
Chemical control (insects), Chlorinated hydrocarbons, Costs, Diazinon, DDT, Insect vectors, Organophosphorus compounds, Plague, Rats, Xenopsylla cheopis.

12592-69
THE TRANSMISSION OF BANCROFT FILARIASIS (SUBPERIODIC FORM) IN THE ISLANDS OF THE SOUTH PACIFIC. (FR)
C Rageau
Entomol Med Cahiers (3/4):57-66 REF
Mar 1965 SB931.A1O3
Aedes, Aedes polynesiensis, Culicidae, Filariasis, Insect vectors, Parasitism. Several other species of Aedes are mentioned as vectors.

12593-69
THE ZYGOTOBLAST AND SPOROCYST INDICES IN THE VALLEY OF THE RUZIZI. (FR)
I H Vincke
Entomol Med Cahiers (3/4):115-117
Mar 1965 SB931.A1O3
Anopheles, Insect physiology, Malaria, Medical entomology, Parasitism, Plasmodium.

CROP PROTECTION

12594-69
SOME BLACK MILDEW SOOTY MOLD AND FLY SPECK FUNGI AND THEIR HYPERPARASITES FROM DOMINICA.
M L Farr
Can J Bot 47(3):369-381 MAP REF
Mar 1969 470 C16C
Ascomycetes, Deuteromycetes, Hyperparasitism, Mildew, Molds, Plant geography, Plant taxonomy. The report mentioned 46 fungi.

12595-69
USE OF RADIOGRAPHY IN SEED AND GRAIN TECHNOLOGY.
A Singh S K Banerjee
Bull Grain Technol 6(2):96-101 REF
Jun 1968 TS2120.B8
Absorption, Grain, Insect control, Radiography, Seed viability, Seeds.

DISEASES

12596-69
BLACK TIPPED WHEAT KERNELS IN THE INDIGENOUSLY GROWN MEXICAN VARIETIES OF WHEAT.
N S Agrawal S P Duggal A S Yadav
Bull Grain Technol 6(2):113-116
Jun 1968 TS2120.B8
Crop varieties, Fungus diseases (plants), Wheat.

12597-69
OCCURRENCE OF GRAY LEAFSPOT ON PEPPERS IN FLORIDA.
C H Blazquez
Plant Dis Rep 53(9):756
Sep 1969 1.9 P69P
Fungus diseases (plants), Leafspot, Peppers, Stemphylium solani.

12598-69
WHITE ROOT DISEASE OF HEVEA IN AFRICA, ESPECIALLY IN THE IVORY COAST.
J G Bouychou
RRIC Bull (N s)1(2,SEP-DEC):34-36
1966 SB290.A1R8
Chemical control (plant diseases), Cultural control (plant diseases), Fomes, Fungus diseases (plants), Hevea brasiliensis, Mercury compounds, Petrolatum.

12599-69
SOME IMPORTANT TURF DISEASES.
M D Britton
Turfgrass Conf Proc 5:1-3,
03 Dec 1964 SB433.I4
Agrostis, Chemical control (plant diseases), Chlorinated hydrocarbons, Fungicides, Fungus diseases (plants), Fusarium roseum, Helminthosporium, Helminthosporium sorokinianum, Maneb (zinc ion), Turf.

12600-69
PERMEABILITY ALTERATIONS INDUCED IN APPLE LEAVES BY VIRULENT AND AVIRULENT STRAINS OF ERWINIA AMYLOVORA.
A Burkowicz R N Goodman
Phytopathology 59(3):314-318 REF
Mar 1969 464.8 P56
Apples, Erwinia amylovora, Fungus diseases (plants), Leaves.

12601-69
FUNGICIDAL ACTIVITY AND CHEMICAL CONSTITUTION. XV. THE ACTIVITY OF 4-(1-SUBSTITUTED N-ALKYL)-2,6-DINITROPHENOLS.
R J W Byrde D M Fieldgate V W L Jordan D Woodcock
Ann Appl Biol 64(1):119-130 REF
Aug 1969 442.8 AN72
Biological assay, Chemical control (plant diseases), Dinitrophenol compounds, Fungi, Fungicides, Fungus diseases (plants), Podosphaera leucotricha, Sphaerotheca mors-uvae, Sphacrotheca pannosa.

12602-69
MAINTENANCE OF FUSARIUM SOLANI F. CUCURBITAE SNYDER AND HANSEN IN GOURDS. (POR)
L M C dc P Castro
Biologico 33(2):40-41
Feb 1967 442.8 B529
Cucurbita, Culture media, Fusarium solani.

12603-69
FUNGICIDAL ACTIVITY AND CHEMICAL CONSTITUTION. xVI. THE USE OF PARTITION DATA FOR AN ANALYSIS OF THE ACTIVITIES OF ALKYLDINITROPHENOL FUNGICIDES AGAINST APPLE MILDEW.
D R Clifford A C Deacon M E Holgate
Ann Appl Biol 64(1):131-134 REF
Aug 1969 442.8 AN72
Apples, Biological assay, Chemical control (plant diseases), Dinitrophenol compounds, Fungicides, Mildew, Podosphaera leucotricha.

12604-69
A NOTE ON BARLEY MOSAIC IN INDIA.
K S Dhanraj S P Raychaudhuri
Plant Dis Rep 53(9):766-767
Sep 1969 1.9 P69P
Barley, Mosaic, Plant disease resistance, Virus diseases (plants).

12605-69
A NEW SYSTEMIC FUNGICIDE.
D C Erwin
World Rev Pest Contr 8(1,SPRING):3
1969 79.8 W89
Butyl-2-(dimethylamino)-4-hydroxy-6-methyl pyrimidine, 5-, Chemical control (plant diseases), Chemical structure, Cucurbits, Fungicides, Fungus diseases (plants), Powdery mildew.

12606-69
ARYLHYDRAZONO-ISOXAZOLONES AS FUNGICIDES.
D C Erwin
World Rev Pest Contr 8(1,SPRING):3
1969 79.8 W89
Azo compounds, Chelating agents, Chemical control (plant diseases), Chemical structure, Fungicides, Fungus diseases (plants).

12607-69
TOBACCO MOSAIC VIRUS IN DIVIDING MESOPHYLL CELLS OF NICOTIANA.
K Esad R H Gill
Yale J Biol Med 38(3):464-472 REF
Jul 1969 448.8 Y1
Chromosomes, Cytology, Mitosis, Mosaic, Plant physiology, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

Cells in differentiating mesophyll of Nicotiana tobacum L. leaves infected with tobacco mosaic virus divide in the presence of large accumulations of the virus. After the nuclear envelope breaks down during mitosis, scattered virus particles and small aggregates of particles occur among the chromosomes and continue to be associated with them until the late stages of mitosis. When the new daughter nuclei become enclosed in envelopes during the late anaphase and telophase, virus particles are usually left outside the nuclear envelope.

12608-69
RELATION OF TOBACCO MOSAIC VIRUS TO THE HOST CELLS.
K Esau J Cronshaw
J Cell Biol 33(3):665-678 REF
Jun 1967 442.8 J828
Electron microscopy, Mosaic, Plant histology, Tobacco, Virus diseases (plants).

12609-69
EVALUATION OF PEANUT (ARACHIS HYPOGAEA) VARIETIES FOR VERTICILLIUM WILT RESISTANCE.
Z R Frank J Krikun
Plant Dis Rep 53(9):744-746
Sep 1969 1.9 P69P
Fungus diseases (plants), Peanuts, Plant disease resistance, Verticillium dahliae, Wilt.

12610-69
BACTERIAL BURNING OF LEAVES, A NEW DISEASE IN MILLET IN BRAZIL. (POR0)
A A Frenhani A P da Silveira B P B Cruz
Biologico 35(4):85-87 REF
Apr 1969 442.8 B529
Bacterial diseases (plants), Millet, Plant diseases.

12611-69
AN ELECTRON MICROSCOPY STUDY OF THE PENETRATION OF TOBACCO MOSAIC VIRUS INTO LEAVES FOLLOWING EXPERIMENTAL INOCULATION.
F M Gerola M Bassi M A Favali E Betto
Yale J Biol Med 38(3):380-386 REF
Jul 1969 448.8 Y1
Cowpeas, Electron microscopy, Penetration, Plant diseases, Tobacco mosaic virus.

12612-69
SYSTEMIC ACTIVITY OF BENZIMIDAZOLES AS SOIL DRENCHES AGAINST POWDERY MILDEW OF APPLE AND CHERRY.
J D Gilpatrick
Plant Dis Rep 53(9):721-725 REF
Sep 1969 1.9 P69P
Apples, Benzimidazoles, Cherries, Fungus diseases (plants), Podosphaera leucotricha, Podosphaera oxyacanthae, Powdery mildew, Soil fungicides.

12613-69
TOMATO VIRUS DISEASES IN THE LITHUANIAN SSR. 2. THE METHOD OF GROUP SAMPLING. (RUS)
M Goldin R Simkunas
Akad Nauk Litovsk SSR Dar C Ser Cer B 3(44):3-6
1967 511 AK192D
Statistical methods, Tomatoes, Virus diseases (plants).

12614-69
VECTOR-INDUCED MODIFICATIONS IN A PLANT VIRUS.
I Harpaz M Klein
Entomol Exp Appl 12(1):99-106 REF
1969 421 EN895
Corn, Delphacidac, Dwarf disease, Insect vectors, Virus diseases (plants).

12615-69
INHIBITION OF TOBACCO MOSAIC VIRUS INFECTIVITY BY THE FUNGUS THIELAVIOPSIS BASICOLA (BERK. BR.) FERR..
I Harpaz M Bar-Joseph I Scla
Ann Appl Biol 64(1):57-64 REF
Aug 1969 442.8 AN72
Mosaic, Plant disease control, Secretion, Thielaviopsis basicola, Tobacco, Virus diseases (plants).

12616-69
ILLUSTRATION OF A TURF GRASS DISEASE STUDY HELMINTHOSPORIUM LEAF SPOT OF CREEPING BENTGRASS.
M J Healy
Turfgrass Conf Proc 5:50-53
03 Dec 1964 SB433.14
Agrostis, Diagnosis, Fungus diseases (plants), Helminthosporium, Helminthosporium sorokinianum, Immunization, Leaf spot, Turf.

12617-69
DISPERSAL OF CONIDIA OF DOTHIDELLA ULEI FROM HEVEA BRASILIENSIS.
P Holliday
Ann Appl Biol 63(3):435-447 REF
Jun 1969 442.8 AN72
Air-borne plant diseases, Dothidella ulei, Fungus diseases (plants), Hevea brasiliensis, Plant disease transmission, Rainfall.

12618-69
LOSSES FROM FUSARIUM STEM ROT CAUSED BY FUSARIUM ROSEUM, IN COMMERCIAL PRODUCTION OF CUTTINGS OF CARNATION, DIANTHUS CARYOPHYLLUS.
R K Horst P E Nelson
Florist Rev 143(3715):39,110-112
06 Feb 1969 80 W41
Crop losses, Dianthus caryophyllus, Flowers, Fungus diseases (plants), Fusarium, Stem rot.

12619-69
DIFFERENTIAL RESPONSE,OF A FEW IMPROVED AND LOCAL VARIETIES AS WELL AS A HYBRID LINE OF JUTE TO STEM-ROT (MACROPHOMINA PHASEOLI) AND ANTHRACNOSE (COLLECTOTRICHUM CORCHORI). DISEASES.
M Q Kabir A C Biswas Q A Ahmed
Pakistan J Sci Res 20(1-2,JAN-APR):34-39
Apr 1968 475 P173
Anthracnose, Colletotrichum, Crop varicties, Jute, Macrophomina phaseoli, Plant breeding. Plant disease resistance.

12620-69
DEGRADATION OF TURNIP YELLOW MOSAIC VIRUS BY FREEZING AND THAWING IN VITROI A NEW METHOD FOR STUDIES ON THE INTERNAL ORGANIZATION OF THE VIRAL COMPONENTS AND FOR ISOLATING NATIVE RNA.
J M Kaper R A Siberg
Yale J Biol Med 38(3):407-413 REF
Jul 1969 448.8 Y1
Plant biochemistry, Ribonucleic acid, Turnips, Yellow mosaic virus.

12621-69
FORMATION OF SORUSES AND SPORE DIFFERENTIATIONS IN UTILAGO MAYDIS (DC.) CDA. (RUS0)
I V Karatygin
Akad Nauk Sssr Dokl 186(3):717-719
1969 511 P444A
Fungus diseases (plants), Plant diseases, Spores, Ustilago maydis.

12622-69
FUNGICIDES FOR DECIDUOUS TOP FRUIT: A SURVEY IN 1968.
A H M Kirby
World Rev Pest Contr 8(1,SPRING):45-58
1969 79.8 W89
Chemical control (plant diseases), Fruit, Fungicides, Fungus diseases (plants), Surveys.

12623-69
VIRUS PARTICLES IN PHLOEM EXUDATE FROM CUCUMIS SATIVUS L. AFTER INFECTION BY CUCUMIS VIRUS 2 A. (GE)
M Kluge
Planta 73(1):50-61 REF
13 Jan 1967 450 P693
Cucumbers, Electron microscopy, Exudates, Phloem, Plant physiology, Virus diseases (plants), Virus 2. English abstract.

12624-69
PROTECT YOUR MAIZE FROM HEAD SMUT.
K L Kothari
Indian Farming 17(4):8-9
Jul 1967 22 IN283
Chemical control (plant diseases), Corn, Cultural control (plant diseases), Fertilizers, Fungus diseases (plants), Hydrogen-ion concentration, Plant disease transmission, Sced treatment, Smut,

Sphacelotheca reiliana.

Seed treatments, alkaline fertilizers, crop rotation, and several other cultural control practices were effective in rendering corn less susceptible to head smut, a fungus disease caused bySphacelotheca reilinana.

12625-69
CRONARTIUM COMANDRAE IN THE ROCKY MOUNTAIN STATES.
R G Krebill
U.s. Forest Serv Inter Mt Forest Range Exp Sta Res Paper Int 50:28P REF
1968 A99.9 F764U
Blister rust, Cronartium comandrae, Fungus diseases (plants), Hibernation, Pinus contorta latifolia, Plant disease transmission, Temperature.

12626-69
CORN STALK ROT FUNGI IN NORTH CAROLINA.
K J Leonard D L Thompson
Plant Dis Rep 53(9):718-720
Sep 1969 1.9 P69P
Colletotrichum, Corn, Fungus diseases (plants), Fusarium moniliforme, Gibberella zeae, Macrophomina phaseoli, Nigrospora oryzae, Surveys.

12627-69
STUDIES ON CLAVICEPS PURPUREA (FR.) TUL. PARASITIC ON PHRAGMITES COMMUNIS TRIN..
P G Mantle
Ann Appl Biol 63(3):425-434
Jun 1969 442.8 AN72
Alkaloids, Claviceps purpurea, Fungus diseases (plants), Phragmites communis, Plant morphology.

12628-69
GREY MILDEW OF COTTON IN RAJASTHAN.
R L Mathur G C Bhatnagar S M Naik
Indian Farming 17(6):20-21
Sep 1967 22 IN283
Bordeaux mixture, Chemical control (plant diseases), Copper oxychloride, Cotton, Fungicides, Fungus diseases (plants), Mildew, Mycosphaerella areola.

The symptoms and incidences of infection with grey mildew on several varieties of cotton are discussed. Bordeaux mixture was more effective in controlling Ramularia areola, the causal agent, than any of the eight other fungicides including five copper compounds.

12629-69
UROMYCES COSTARICENSIS - A NEW REPORT FOR THE CONTINENTAL UNITED STATES.
F D Matthews
Plant Dis Rep 53(3):213 REF
Mar 1969 1.9 P69P
Fungus diseases (plants), Grasses, Lasiacis divaricata, Ornamental plants, Plant diseases, Rust, Uromyces costaricencis.

12630-69
RELATION BETWEEN THE BETA-GLUCOSIDASES AND FUNGUS INFECTION IN CORN. (FR)
P Molot
Acad Sci Compt Rend Ser D Sci Nat 264(13, 1ST SEMESTER):1724-1727 REF
29 Mar 1967 505 P21
Corn, Fungus diseases (plants), Glucosidase, beta-, Plant biochemistry, Plant disease resistance.

12631-69
FINE STRUCTURE AND ELECTRON CYTOCHEMICAL STUDIES OF SCLEROTIUM ROLFSII SACC.
N G Nair N A White D M Griffin S Blair
Australian J Biol Sci 22(3):639-652 REF
Jun 1969 442.8 AU72
Electron microscopy, Fungus diseases (plants), Physiology, Sclerotium rolfsii.

12632-69
PATHOLOGICAL HISTOLOGY OF CORN AND SORGHUM PLANTS INFECTED WITH MAIZE DWARF MOSAIC VIRUS AND SCLEROSPORA SORGHI.
N Z Naqvi M C Futrell
Plant Dis Rep 53(9):747-751
Sep 1969 1.9 P69P
Corn, Dwarf mosaic, Fungus diseases (plants), Plant histology, Sclerospora sorghi, Sorghum, Virus diseases (plants).

12633-69
THE EFFECT OF FUNGICIDAL TREATMENTS ON SPORULATING CAPACITY IN RELATION TO THE CONTROL OF COFFEE BERRY DISEASE.
F J Nutman F M Roberts
Ann Appl Biol 64(1):101-112
Aug 1969 442.8 AN72
Coffee, Colletotrichum coffeanum, Fungicides, Fungus diseases (plants), Sporulation.

12634-69
SEASONAL VARIATIONS IN THE SPORULATING CAPACITY OF THE FUNGUS CAUSING COFFEE BERRY DISEASE.
F J Nutman F M Roberts G H Freeman
Ann Appl Biol 64(1):85-99 REF
Aug 1969 442.8 AN72
Coffee, Colletotrichum coffeanum, Fungus diseases (plants), Seasonal variation, Sporulation.

12635-69
THE FEEDING SITES IN SONCHUS OLERACEUS OF HYPEROMYZUS LACTUCAE, THE APHID VECTOR OF LETTUCE NECROTIC YELLOWS VIRUS.
G T O'Loughlin T C Chambers
Australian J Biol Sci 22(3):629-637 REF
Jun 1969 442.8 AU72
Aphididae, Food habits, Insect behavior, Insect vectors, Lettuce, Necrotic yellows, Phloem, Sonchus, Virus diseases (plants).

12636-69
USE OF BENZIMIDAZOLES FOR CONTROL OF FUNGI IN PEEL CULTURES OF CITRUS FRUITS.
M F Oberbacher G E Brown
Hortscience 3(4, WINTER):286-287
1968 SB1.H6
Alternaria, Arthrobotrys, Aspergillus, Benzimidazoles, Chemical control (plant diseases), Citrus, Colletotrichum, Diplodia, Fungicides, Fungus diseases (plants).

12637-69
INCIDENCES OF PYTHIUM WILT OF SNAP BEANS IN COLORADO.
N Oshima L E Dickens B F Counter
Plant Dis Rep 53(9):766
Sep 1969 1.9 P69P
Beans, Fungus diseases (plants), Pythium, Surveys, Wilt.

12638-69
STATUS OF DUTCH ELM DISEASE IN OKLAHOMA.
P H Peacher C A Bower
Plant Dis Rep 53(9):768 MAP
Sep 1969 1.9 P69P
Ceratocystis ulmi, Dieback (ulmus), Fungus diseases (plants), Plant geography, Surveys.

12639-69
THE REACTIONS OF SUSCEPTIBLE AND RESISTANT TOMATO CULTIVARS TO STRAINS OF VERTICILLIUM ALBO-ATRUM.
G F Pegg G R Dixon
Ann Appl Biol 63(3):389-400 REF
Jun 1969 442.8 AN72
Fungus diseases (plants), Plant disease resistance, Plant physiology, Tomatoes, Verticillium albo-atrum.

12640-69
RIGIDOPORUS LIGNOSUS.
D N Pegler J M Waterston
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):198
1968 462.7 C73
Air-borne plant diseases, Cacao, Coconuts, Formes lignosus, Fungus diseases (plants), Hevea, Plant diseases, Plant geography, Plant taxonomy, Polyporus, Root rot, Tea.

12641-69
PHELLINUS ROBUSTUS.
D N Pegler J M Watertown
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):197
1968 462.7 C73
Air-borne plant diseases, Fungus diseases (plants), Plant geography, Plant taxonomy, Polyporus, Quercus, Rot.

12642-69
RIGIDOPORUS ZONALIS.
D N Pegler J M Waterston
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):200
1968 462.7 C73
Air-borne plant diseases, Fungus diseases (plants), Plant geography, Plant taxonomy, Polyporus, Rot, Wood destroying fungi.

12643-69
FORMITOPSIS ROSEA.
D N Pegler J M Waterston
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):191
1968 462.7 C73
Air-borne plant diseases, Coniferae, Fomes roseus, Fungus diseases (plants), Plant diseases, Plant geography, Plant taxonomy.

12644-69
RIGIDOPORUS ULMARIUS.
D N Pegler J M Waterston
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):199
1968 462.7 C73
Air-borne plant diseases, Fungus diseases (plants), Plant diseases, Plant geography, Plant taxonomy, Polyporus, Rot, Ulmus.

12645-69
PHELLINUS NOXIUS.
D N Pegler J M Waterston
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):195
1968 462.7 C73
African oilpalm, Air-borne plant diseases, Brown root rot, Fomes noxius, Fungus diseases (plants), Hevea, Plant geography, Plant taxonomy, Tea.

12646-69
THE ECONOMICS OF DISEASE CONTROL IN HEVEA.
O S Peries
RRIC Bull (N s)1(2,SEP-DEC):27-33
1966 SB290.A1R8
Chemical control (plant diseases), Fomes, Fungicides, Fungus diseases (plants), Gloeosporium, Hevea, Oidium, Phytophthora, Plant disease control, Production economics, Rubber.

12647-69
ISOLATION OF STAPHYLOCOCCUS EPIDERMIDIS FROM TOBACCO.
J J Perry
Appl Microbiol 17(4):647
Apr 1969 448.3 AP5
Air-borne plant diseases, Bacterial diseases (plants), Culture media, Staphylococcus, Tobacco.

12648-69
IN SITU BREAKAGE OF TURNIP YELLOW MOSAIC VIRUS RNA AND IN SITU AGGREGATION OF THE FRAGMENTS. ANALYSIS OF SUCCESSIVE STAGES.
C W A Pley J Talens L Bosch M Mandel
Yale J Biol Med 38(3):371-379
Jul 1969 448.8 Y1
Hydrogen-ion concentration, Plant biochemistry, Ribonucleic acid, Turnips, Virus diseases plants, Yellow mosaic virus.

12649-69
ON PHAEOTRICHOCONIS CROTALARIAE OCCURRING ON MARSILEA QUADRIFOLIATA IN INDIA.
K M Ponnappa
Cur Sci 36(1):23-24
05 Jan 1967 475 SC123
Aquatic weeds, Fungus diseases (plants), Marsilea, Phaeotrichoconis crotalariae.

12650-69
EFFECTS OF THE FUNGUS ERYSIPHE GRAMINIS F. SP. HORDEI MARCHAL ON THE TRANSPIRATION OF BARLEY. (GE00)
S Prichradny C Paulech
Biologia (bratislava) 24(4):261-272 REF
1969 442.8 B5265
Barley, Erysiphe graminis, Fungus diseases (plants), Plant diseases, Plant physiology, Plant transpiration. Russian and Czech abstracts.

12651-69
THE CONTROL OF SCLEROTINIA SCLEROTIORUM IN GREEN BEANS. (POR)
L O C Rczende B M R Pessanha C A Campacci Y Horino
Biologico 35(1):8-12
Jan 1969 442.8 B529
Beans, Chemical control (plant discases), Dichloro-4-nitroaniline, 2,6-, Fungicides, Fungus diseases (plants), Sclerotinia sclerotiorum. English abstract.

12652-69
ORGANIC MANURING FOR POTATO SCAB CONTROL AND ITS RELATION TO SOIL MANGANESE.
P F Rogers
Ann Appl Biol 63(3):371-378 REF
Jun 1969 442.8 AN72
Cultural control (plant diseases), Green manures, Manganese, Potatoes, Soil microorganisms, Streptomyces scabies.

12653-69
FIELD TRIALS FOR THE CONTROL OF STEMPHYLIUM BOTRYOSUM F. LYCOPERSICI.
J Rotem
Israel J Agr Res 18(2):87-88
Apr 1968 107 J552
Carbamates, Chemical control (plant discases), Dichloro-6-(o-chloroanilino)-s-triazine, Fungicides, Fungus diseases (plants), Leaf spot, Stemphylium, Tomatoes.

12654-69
CONTROLLING LATE BLIGHT OF POTATO WITH SOME FUNGICIDES.
A K Roy N D Das
Indian Phytopathol 21(2):232-233 REF
Jun 1968 464.8 IN2
Chemical control (plant diseases), Dithane, Fentin acetate, Fungicides, Late blight, Potatoes.

12655-69
A BLIGHT OF ALEPPO PINE (PINUS HALEPENSIS).
M C Rush A M Boyle
Plant Dis Rep 53(9):714-718 REF
Sep 1969 1.9 P69P
Blight, Fungus diseases (plants), Pinus halepensis, Soil moisture, Surveys.

12656-69
YUZUHADA, A PHYSIOLOGICAL DISORDER OF ORIENTAL PEAR, AND ITS POSSIBLE RELATION TO BLACK-END AND HARD-END OF BARTLETT.
K Ryugo L D Davis
Hortscience 3(1, SPRING):15-17
1968 SB1.H6
Black end, Crop varieties, Hard end, Pears, Plant breeding, Plant physiological diseases, Pyrus pyrifolia, Yuzuhada.

12657-69
STUDIES ON THE BACTERIAL DISEASES OF SUDAN CROPS. VIII. SURVIVAL AND DISSEMINATION OF XANTHOMONAS PHASEOLI (E.F.SM.) DOWSON.
K A Sabet F Ishag
Ann Appl Biol 64(1):65-74 REF
Aug 1969 442.8 AN72
Bacterial diseases (plants), Beans, Bemisia tabaci, Insect vectors, Longevity, Pathology, Water, Xanthomonas phaseoli.

12658-69
TRANSMISSION OF THE DISEASE BRAZILIAN TOMATO RINGSPOT THROUGH THE SOIL. (POR0)
T A Salomao K M Silberschmidt D R Weigl
Biologico 35(4):79-84
Apr 1969 442.8 B529
Plant disease transmission, Ring spot, Soil-borne plant diseases, Tomatoes. English abstract.

12659-69
REACTIONS OF TWO PRECOCIOUS PEACH VARIETIES TO THE ELIMINATION OF RING SPOT VIRUSES. (FR00)
R Saunier
Paris Acad Agr France Compt Rend Hebd Seances 55(4):262-269
26 Feb 1969 14 P215BC
Peaches, Plant disease resistance, Plant diseases, Ring spot, Virus diseases (plants).

12660-69
A METHOD FOR THE INJECTION OF CHEMICALS INTO TREES.
L R Schreiber
Plant Dis Rep 53(9):764-765
Sep 1969 1.9 P69P
Drug therapy, Injections, Methodology, Plant diseases, Trees.

12661-69
SCREENING FOR PADI BLAST DISEASE RESISTANCE IN WEST MALAYSIA.
K G Singh
Malaysian Agr J 47(1):53-63
Jan 1969 22.5 F312
Biological assay, Blast, Piricularia oryzae, Plant disease resistance, Plant diseases, Rice.

12662-69
TRANSMISSION OF STRAINS OF RASPBERRY RINGSPOT AND TOMATO BLACK RING VIRUSES BY LONGIDORUS ELONGATUS (DE MAN).
C E Taylor A F Murant
Ann Appl Biol 64(1):43-48 REF
Aug 1969 442.8 AN72
Black ring, Longidorus elongatus, Plant disease transmission, Raspberries, Ring spot, Tomatoes, Virus diseases (plants).

12663-69
IDENTIFICATION OF WHEAT VIRUSES IN VIRGINIA.
S A Tolin C W Roane
Plant Dis Rep 53(9):751-752 REF
Sep 1969 1.9 P69P
Virus diseases (plants), Wheat.

12664-69
EPIDEMIOLOGY OF COCKSFOOT MOTTLE VIRUS.
M E Upstone
Ann Appl Biol 64(1):49-55-
Aug 1969 442.8 AN72
Animal vectors, Dactylis glomerata, Mottle, Surveys, Virus diseases (plants).

12665-69
RELATION OF THE TIME OF YEAR TO CANKER INITIATION BY FUSARIUM SOLANI IN SUGAR MAPLE.
F A Wood J M Skelly
Plant Dis Rep 53(9):753-755
Sep 1969 1.9 P69P
Acer saccharum, Canker, Fungus diseases (plants), Fusarium solani.

12666-69
SAPONINS IN RELATION TO THE CONTROL OF AVOCADO ROOT ROT WITH ALFALFA MEAL.
G A Zentmyer Thompson
Calif Avocado Soc Yearbook 52:125-127
1968 81 C128
Alfalfa meal, Avocados, Biological control (plant diseases), Fungus diseases (plants), Phytophthora cinnamomi, Root rot, Saponins.

ARTHROPODS

12667-69
UNNAMED AND LITTLE-KNOWN INSECTS ATTACKING COTTONWOOD IN SOUTHERN CALIFORNIA.
L R Brown C O Eads
J Econ Entomol 62(3):667-674
16 Jun 1969 421 J822
Diptera, Hymenoptera, Insect pests, Lepidoptera, Populus fremontii.

12668-69
NEW RECORD OF EUBRACHIS INDICA BALLY (CHRYSOMELIDAE: COLEOPTERA) AS A SERIOUS PEST OF APPLE IN HIMACHAL PRADESH.
A N Chowdhuri J C Seam
Indian J Entomol 30(3):242
Sep 1968 420 IN23
Apples, Chrysomelidae, Insect pests, Insect taxonomy, Plant injuries.

12669-69
PEAR PSYLLA CONTROL STUDIES.
E H Glass
N Y (state) Agr Exp Sta Res Circ 16:1-10
Apr 1969 100 N48R
Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticide resistant insects, Insecticides, Organophosphorus compounds, Pears, Psylla pyricola.

12670-69
THE CONTROL OF APHIS FABAE SCOP. ON SPRING-SOWN FIELD BEANS (VICIA FABA L.).
H J Gould C W Graham
Ann Appl Biol 64(1):1-10
Aug 1969 442.8 AN72
Aphis fabae, Broadbeans, Chemical control (insects), Crop losses, Dimethoate, Disulfoton, DDT, Insecticides, Methyl demeton, Organophosphorus compounds, Phorate.

12671-69
LABORATORY AND FIELD TESTS IN 1966--67 ON CHEMICAL CONTROL OF WIREWORMS (AGRIOTES SPP.).
D C Griffiths G C Scott J R Lofty P F Roberts
Ann Appl Biol 64(1):21-29 REF
Aug 1969 442.8 AN72
Agriotes, Barley, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Insect control, Insecticides, Lindane, Organophosphorus compounds, Potatoes.

12672-69
DIFFERENTIAL YIELD RESPONSES OF COMMERCIAL SUGARCANE VARITIES TO SUGARCANE BORER DAMAGE.
S D Hensley W H Long
J Econ Entomol 62(3):620-622
16 Jun 1969 421 J822
Azinphosmethyl, Chemical control (insects), Crop losses, Crop varietics, Crop yields, Diatraea saccharalis, Endrin, Insect pests, Plant injuries, Sugarcane.

12673-69
TOXICITY, CONTROL, AND RESIDUE STUDIES WITH DO-14 (2-(P-TERT-BU-

TYLPHENOXY) CYCLOHEXYL 2-PROPYNYL SULFITE) AS AN ACARIDICIDE AGAINST THE CITRUS RED MITE.
L R Jeppson W F Westlake F A Gunther
J Econ Entomol 62(3):531-536
16 Jun 1969 421 J822
Acaricides, Butylphenoxy)cyclohexyl 2-propynyl sulfite, 2-(p-tert-, Chemical control (insects), Citrus, Food contamination, Insect pests, Insecticide residues, Lemons, Mites, Panonychus citri, Toxicology.

12674-69
EFFICACY OF DIFFERENT INSECTICIDES AGAINST TOBACCO GROUND BEETLES IN THE FIELD.
B G Joshi R S N Rao
Indian J Entomol 30(3):249-250
Sep 1968 420 IN23
Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, Ethyl chloride, Formothion, Insecticides, Isobenzan, Tenebrionidae, Tobacco, Trichlorfon.

12675-69
EFFECT OF LATE INFESTATION OF THE STEM BORER CHILO ZONELLUS SWIN. ON THE YIELD OF SORGHUM GRAINS.
M G Jotwani K M Srivastava
Indian J Entomol 30(1):90-91
Mar 1968 420 IN23
Chilo zonellus, Crop losses, Crop yields, Insect pests, Sorghum.

12676-69
INSECTICIDES FOR CONTROL OF SPHENOPHORUS VENATUS CONFLUENS, RHOPALOSIPHUM PADI, AND RHIPIDOTHRIPS BRUNNEUS IN ORCHARDGRASS.
J A Kamm R W Every
J Econ Entomol 62(4):950-951
15 Aug 1969 421 J822
Aldrin, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Dactylis glomerata, Diazinon, Disulfoton, Heptachlor, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Organophosphorus compounds, Rhipidothrips brunneus, Rhopalosiphum padi, Sphenophorus venatus confluens.

12677-69
STUDIES ON LIPAPAPHIS ERYSIMI (KALT.) WITH SPECIAL REFERENCE TO INSECT-PLANT RELATIONSHIP. III. EFFECT OF AGE OF PLANTS ON SUSCEPTIBILITY.
G G Kundu N C Pant
Indian J Entomol 30(2):169-172
Jun 1968 420 IN23
Aging, Bird rape, Lipaphis erysimi, Plant pest resistance, Plant physiology.

12678-69
A PRELIMINARY ACCOUNT OF MACROSIPHUM MISCANTHI TAKAHASHI ON GRASSES AND CEREALS IN NEW ZEALAND.
Lowe
New Zeal Entomol 4(2):33-35
Apr 1969 421 N48
Grasses, Insect biology, Macrosiphum, Wheat.

12679-69
SUMMER CONTROL OF GRAPE--VINE SCALE (EULECANIUM PERSICAE (F.)) IN THE STANTHROPE DISTRICT, QUEENSLAND.
R A McLachlan
Queensland J Agr Anim Sci 26(1):95-97
Mar 1969 23 Q37
Azinphosmethyl, Chemical control (insects), Coccoidea, Grapes, Organophosphorus compounds.

12680-69
CONTROL OF GRAPE LEAF BLISTER MITE (ERIOPHYES VITIS (PAG.)) IN THE STANTHROPE DISTRICT, QUEENSLAND.
R A McLachlan
Queensland J Agr Anim Sci 26(1):89-94
Mar 1969 23 Q37
Azinphosmethyl, Carbaryl, Chemical control (insects), Eriophyes vitis, Grapes, Lime-sulfur, Methyl demeton, Organophosphorus compounds, Parathion.

12681-69
NOTES ON INSECTS INFESTING PINE CONES IN MISSISSIPPI.
Ww Neel C F Sartor
Entomol News (philadelphia) 80(6):159-167 REF MAP
Jun 1969 421 EN88
Phycitidae, Pine cones, Predaceous insects.

12682-69
RECORDS OF PARASITES OF SUNNHEMP SHOOT-BORER, LASPEYRESIA TRICENTRA MEYR. (TORTRICIDAE: LEPIDOPTERA) IN UTTAR PRADESH.
S Ram
Indian J Entomol 30(3):254
Sep 1968 420 IN23
Diptera, Hymenoptera, Laspeyresia, Natural control (insects), Parasitic insects, Sunn crotalaria, Tortricidae.

12683-69
BIONOMICS OF HELLULA UNDALIS FB., THE CABBAGE BORER (PYRALIDAE: LEPIDOPTERA) AT JABALPUR.
R R Rawat Y S Rathore D K Saxena
Indian J Entomol 30(3):235-237
Sep 1968 420 IN23
Biological control (insects), Bracon hebetor, Brassica, Hellula, Insect biology, Parasitic insects.

12684-69
INSECTICIDAL CONTROL OF CITRUS PESTS IN COASTAL CENTRAL QUEENSLAND.
B N E Sabine
Queensland J Agr Anim Sci 26(1):83-88
Mar 1969 23 Q37
Chemical control (pests), Citrus, Coccoidea, Insecticides, Lime-sulfur, Mineral oil, Mites, Sulfur.

12685-69
A NOTE ON THE COMPATIBILITY OF ENDRIN WITH PARACHLOROPHENOXY ACETIC ACID AND BORON IN RELATION TO MUSTARD APHID INFESTATION.
S P Singh G S Sirohi D S Shukla D P S Tomar R B Mehra
Indian J Entomol 30(2):173-174
Jun 1968 420 IN23
Bird rape, Boron, Chlorinated hydrocarbons, Endrin, Lipaphis erysimi, Para-chlorophenoxyacetic acid, Plant growth regulator.

12686-69
INTERRELATION OF STEM BORER INCIDENCE AND CERTAIN AGRONOMIC TRAITS IN JAUNPUR VARIETY OF MAIZE UNDER DIFFERENT LEVELS OF NITROGEN.
T P Singh R Singh L B Chaudhary
Indian J Entomol 30(3):220-222
Sep 1968 420 IN23
Chilo zonellus, Corn, Nitrogen, Plant physiology, Population.

12687-69
TREATMENT OF CORN ROOTWORM LARVAE AND ADULTS WITH BACILLUS THURINGIENSIS AND B. POPILLIAE.
G R Sotter
J Econ Entomol 62(3):756-757
16 Jun 1969 421 J822
Bacillus popilliae, Bacillus thuringiensis, Biological control (insects), Corn, Diabrotica, Imagos, Insect diseases, Insect pests, Larvae. The treatments were ineffective.

12688-69
ENTOMOLOGY.
Channel Island Farmer Grower 2(8):90
1968 S3.C5
Aphididae, Chemical control (insects), Entomology, Fumigants, Insect pests, Insect vectors. Insecticide application, Insecticides, Myzus persicae, Potatoes, Spraying, Viruses.

12689-69
EVIDENCE OF TRANSOVARIAL PASSAGE OF THE SOWTHISTLE YELLOW VEIN VIRUS IN THE APHID HYPEROMYZUS LACTUCAE.
E S Sylvester
Yale J Biol Med 38(3):440-446 REF
Jul 1969 448.8 Y1
Hyperomyzus lactucae, Insect vectors, Ovaries, Plant disease transmission, Sonchus, Viruses, Yellow vein.

12690-69
THE INFLUENCE OF UC-21149 AND THE APHIDIID PARASITE APHIDIUS SMITHI ON POPULATIONS OF THE PEA APHID.
G Tamaki J E Halfhill J C Maitlen
J Econ Entomol 62(3):678-682
16 Jun 1969 421 J822
Acyrthosiphon pisum, Aldicarb, Alfalfa, Aphidius smithi, Integrated control (insects), Metabolites, Parasitic insects. Greenhouse tests.

12691-69
INSECT CONTROL STUDIES ON THE NEW HYBRID SORGHUM CSH-1 IN INDIA.
V V Thobbi G V Moorthy M G Jotwani J P Kulshreshtha R N Katiyar et. al.
Indian J Entomol 30(1):45-57
Mar 1968 420 IN23
Atherigona varia, Benzene hexachloride, Carbamates, Carbaryl, Chemical control (insects), Chilo zonellus, Chlorinated hydrocarbons, Contarinia sorghicola, Crop losses, DDT, Endrin, Insect pests, Insecticides, Organophosphorus compounds, Phorate, Sorghum.

12692-69
A NEW RECORD OF BORER CELOSTERNA SCABRATOR FBR. (LAMIIDAE, COLEOPTERA) AS A PEST OF GRAPE VINE, VITIS VINIFERA L. IN MAHARASHTRA.
E R Upasani N A Phadnis
Indian J Entomol 30(2):177
Jun 1968 420 IN23
Grapes, Insect outbreaks, Lamiidae.

12693-69
PLANT RESISTANCE TO MYZUS PERSICAE INDUCED BY A PLANT REGULATOR AND MEASURED BY APHID RELATIVE GROWTH RATE.
H F Van Emden
Entomol Exp Appl 12(1):125-131 REF
1969 421 EN895
Chloroethyl)trimethylammonium chloride, (2-, Methodology, Myzus persicae, Plant pest resistance, Plant regulators.

12694-69
FIELD EVALUATIONS IN SPRAY PROGRAMS FOR CONTROL OF THE FRUIT-TREE LEAF ROLLER ON SWEET CHERRY.
R W Zwick F W Peifer
J Econ Entomol 62(4):951-952
15 Aug 1969 421 J822
Archips argyrospilus, Azinphosmethyl, Bromo-2,5-dichlorophenyl) O-methylphenylphosphonothioate, O, Carbamates, Carbofuran, Chemical control (insects), Cherries, Chlorinated hydrocarbons, Crop losses, DDT, Endosulfan, Ethion, Mazzard cherries, Methoxy-5-oxo-delta2-1,3,4-thiadiazolin-4-yl)methyl, O,O-d i, Mineral oil, Organophosphorus compounds, Parathion, Phosalone, Spraying, TDE.

NEMATODES

12695-69
MELOIDOGYNE NAASI ON SORGHUM IN KANSAS.
S Aytan O J Dickerson
Plant Dis Rep 53(9):737
Sep 1969 1.9 P69P
Dichloropropane dichloropropene mixture, Dichloropropene, 1,3-, Meloidogyne, Nematocides, Plant nematodes, Sorghum.

12696-69
ASSESSMENT OF THE DAMAGE CAUSED TO POTATOES BY POTATOES CYST EELWORM, HETERODERA ROSTOCHIENSIS WOLL..
E B Brown
Ann Appl Biol 63(3):493-502 REF
Jun 1969 442.8 AN72
Crop losses, Heterodera rostochiensis, Plant nematodes, Potatoes, Statistical analysis, Surveys.

12697-69
THE IMPORTANCE OF THE PROBLEMS POSED BY THE BULB AND STEM EELWORM, DITYLENCHUS DIPSACI KUHN, IN WESTERN FRANCE. (FR00)
G Caubel
Paris Acad Agr France Compt Rend Hebd Seances 55(7):497-506 REF
23 Apr 1967 14 P215BC
Bulbs, Diagnosis, Ditylenchus dipsaci, Plant nematodes, Stem eelworm.

12698-69
A SURVEY OF THE COFFEE TREE NEMATODE, MELOIDOGYNE COFFEICOLA, IN THE STATE OF SAO PAULO. (POR)
S M Curi L G E Lordello A de Bona A F Cintra
Biologico 35(2):41-44 MAP
Feb 1969 442.8 B529
Coffee, Meloidogyne, Plant nematodes, Zoogeography. English abstract.

12699-69
STUDIES OF CEREAL NEMATODE POPULATIONS AND CEREAL YIELDS UNDER CONTINUOUS OR INTENSIVE CULTURE.
R Gair P L Mathias P N Harvey
Ann Appl Biol 63(3):503-512 REF
Jun 1969 442.8 AN72
Barley, Crop rotation, Heterodera avenae, Nitrogen, Oats, Plant nematodes, Population, Pratylenchus neglectus, Trichodorus.

12700-69
ABOUT THE SPECIFICITY OF TYLENCHULUS SEMIPENETRANS COBB (NEMATODA; TYLENCHIDA) TO SEVERAL SPECIES OF CITRUS ROOTS.
F Jiminez-Millan
Helminthologia 8(1-4):209-214
1967 436.8 H36
Citrus, Plant nematodes, Roots, Tylenchus, Zoogeography.

12701-69
BIOLOGICAL ASPECTS OF THE CARROT CYST NEMATODE, HETERODERA CAROTAE JONES, 1950. (GE00)
H Stelter
Biol Zentralbl 88(3,MAY-JUN):365-371
Jun 1969 442.8 B523
Biology, Carrots, Heterodera, Plant nematodes, Population. English abstract.

12702-69
OBSERVATIONS ON MEADOW NEMATODES (PRATYLENCHUS SPP.) AND THEIR RELATION TO DECLINES OF CITRUS IN FLORIDA.
A C Tarjan J H O'Bannon
Plant Dis Rep 53(9):683-686
Sep 1969 1.9 P69P
Citrus, Plant nematodes, Pratylenchus, Surveys.

WEEDS

12703-69
LEACHING OF TRIFLURALIN, BENEFIN, AND NITRALIN IN SOIL COLUMNS.
W P Anderson A B Richards J W Whitworth
Weed Sci 16(2):165-169 REF
Apr 1968 79.8 W41
Benefin, Herbicides, Methylsulfonyl)-2,6-dinitro-N,N-dipropylaniline, 4-(, Soil leaching, Soil testing, Trifluralin.

12704-69
EFFECT OF SEVERAL HERBICIDES ON PROTEOLYTIC ACTIVITY OF SQUASH SEEDLINGS.
F M Ashton D Penner S Hoffman
Weed Sci 16(2):169-171 REF
Apr 1968 79.8 W41
Enzymes, Herbicides, Plant biochemistry, Seedlings, Squash.

12705-69
EFFECTS OF 2,4,5-T AND DIBUTYL PHTHALATE ON BLOODWOOD (EUCALYPTUS DICHROMOPHLOIA).
H W Beger
Queensland J Agr Anim Sci 26(1):117-120
Mar 1969 23 Q37
Dibutyl phthalate, Eucalyptus, Herbicides, T, 2,4,5-.

12706-69
ECOLOGY OF SUBMERSED AQUATIC WEEDS IN SOUTH FLORIDA CANALS.
R D Blackburn P F White L W Weldon
Weed Sci 16(2):261-266 REF
Apr 1968 79.8 W41
Aquatic weeds, Elodea, Light, Najas guadalupensis, Nitrogen, Plant ecology.

12707-69
CONTROL OF LIVE OAK BY HERBICIDES APPLIED AT VARIOUS RATES AND DATES.
R W Bovet H L Morton J R Baur
Weed Sci 17(3):373-376
Jul 1969 79.8 W41
Bromacil, Herbicide application, Herbicides, Picloram, Quercus virginiana, T, 2,4,5-.

12708-69
EFFECT OF SIMULATED RAINFALL ON HERBICIDE PERFORMANCE.
R W Bovey J D Diaz-Colon
Weed Sci 17(2):154-157
Apr 1969 79.8 W41
D, 2,4-, Dinoseb, Guavas, Herbicides, Mangoes, Paraquat, Pentachlorophenol, Phytotoxicity, Picloram, Rainfall, Sorghum, T, 2,4,5-, Weather, Yams.

12709-69
EFFECT OF ACTIVATED CARBON ON THE PHYTOTOXICITY OF HERBICIDES IN A TROPICAL SOIL.
R W Bovey F R Miller
Weed Sci 17(2):189-196 REF
Apr 1969 79.8 W41
Carbon, Cucumbers, Herbicides, Kidney beans, Oats, Phytotoxicity, Picloram, Propazine, Soils, Toxicology.

12710-69
WEED CONTROL IN SERICEA LESPEDEZA.
G A Buchanan E R Burns
Ala Agr Exp Sta Circ 165.15P REF
Jan 1969 100 AL1S (2)
Benefin, Bensulide, Chemical control (weeds), Ethyl N,N-dipropylthiocarbamate, Herbicides, Legumes, Lespedeza cuneata, Siduron, Vernolate, Weed control.

12711-69
WEED CONTROL IN A WINTER WHEAT-FALLOW ROTATION.
O C Burnside C R Fenster C E Domingo
Weed Sci 16(2):255-258 REF
Apr 1968 79.8 W41
Amitrole, Atrazine, Bromus tectorum, Chemical control (weeds), Crop rotation, Herbicides, Monuron, Weed control, Wheat.

12712-69
ENVIRONMENTAL INFLUENCE ON BENTGRASS TREATED WITH SILVEX.
L M Callahan R E Engel R D Ilnicki
Weed Sci 16(2):193-196 REF
Apr 1968 79.8 W41
Agrotis, Environment, Fructosans, Herbicides, Humidity, Hydrogen-ion concentration, Light, Plant biochemistry, Silvex, Temperature.

12713-69
TRANSLOCATION OF DICAMBA IN CANADA THISTLE.
F Y Chang W H Vanden Born
Weed Sci 16(2):176-181 REF
Apr 1968 79.8 W41
Chemical control (weeds), Cirsium arvense, Dicamba, Herbicides, Plant physiology, Plant translocation, Toxicology.

12714-69
WEED CONTROL RESEARCH '47-'67.
A S Crafts
Pest Contr Oper News 28(12):19-20
Dec 1968 SB951.A1P4
Chemical control (weeds), Herbicides, History.

12715-69
INSECTICIDE TRIALS IN TOBACCO SEEDBEDS, 1962--1965.
I C Cunningham
Queensland J Agr Anim Sci 26(1):99-106
Mar 1969 23 Q37
Azinphosmethyl, Endrin, Fenthion, Insecticides, Isobenzan, Organophosphorus compounds, Plant morphology, Seedlings, Tobacco, Toxicology, Trichlorfon.

12716-69
THE INFLUENCE OF SOIL CHARACTERISTICS ON THE ADSORPTION AND PHYTOTOXICITY OF SIMAZINE.
B E Day L S Jordan V A Jolliffe
Weed Sci 16(2):209-213 REF
Apr 1968 79.8 W41
Herbicides, Oats, Simazine, Soil adsorption, Soil structure, Toxicology.

12717-69
BACTERIUM YIELDS NEW WEED KILLER.
Agr Res 17(11):11
May 1969 1.98 AG84
Bacteria, Chemical control (weeds), Cystathionine, Herbicides, Plant growth inhibitors, Rhizobium.

12718-69
A CUCUMBER BIOASSAY TEST FOR THE SOIL RESIDUES OF CERTAIN HERBICIDES.
C C Dowler
Weed Sci 17(3):309-310
Jul 1969 79.8 W41
Biological assay, Bromacil, Cucumbers, Dicamba, Diuron, Fenac, Herbicide residues, Herbicides, Picloram, Prometone, Soils.

12719-69
ATRAZINE VERSUS ATRAZINE PLUS OIL.
W B Duke
Northeast Weed Contr Conf Proc 22:286-292
03 Jan 1968 79.9 N814
Amaranthus retroflexus, Atrazine, Chemical control (weeds), Corn, Panicum, Setaria glauca.

12720-69
WINGED ELM CONTROL WITH PICLORAM AND 2,4,5-T WITH AND WITHOUT ADDITIVES.
H M Elwell
Weed Sci 16(2):131-133
Apr 1969 79.8 W41
Chemical control (weeds), Herbicide application, Picloram, T, 2,4,5-, Weed control, Winged elm.

12721-69
GROSS MORPHOLOGICAL AND CYTOLOGICAL EFFECTS OF NITRALIN ON CORN ROOTS.
W A Gentner L G Burk
Weed Sci 16(2):259-260
Apr 1968 79.8 W41
Corn, Herbicides, Methylsulfonyl)-2,6-dinitro-N,N-dipropylaniline, 4-(, Plant cytology, Plant morphology, Roots, Toxicology.

12722-69
IMPORTANCE OF ROOT, SHOOT, AND SEED EXPOSURE ON THE HERBICIDAL ACTIVITY OF EPTC.
R A Gray A J Wcierich
Weed Sci 17(2):223-229
Apr 1969 79.8 W41
Ethyl N,N-dipropylthiocarbamate, Grain, Herbicides, Phytotoxicity, Plant physiology, Roots, Sced treatment.

12723-69
HERBICIDES - ECONOMIC TOOLS IN RAILROAD VEGETATION CONTROL.
R R Gunderson
Northeast Weed Contr Conf Proc 22:314-317
03 Jan 1968 79.9 N814
Bromacil, Chemical control (weeds), D, 2,4-, Economics, Railroads.

12724-69
THE EFFECT OF LINURON ON 32P AND 45Ca UPTAKE IN TOMATO AND PARSNIP.
E J Hogue
Weed Sci 16(2):185-187 REF
Apr 1968 79.8 W41
Calcium, Herbicides, Linuron, Parsnips, Phosphorus, Plant translocation, Tomatoes.

12725-69
EFFECT OF TIME OF GIANT FOXTAIL REMOVAL FROM CORN AND SOYBEANS.
E L Knake F W Slife
Weed Sci 17(3):281-283 REF
Jul 1969 79.8 W41
Competition, Corn, Crop losses, Setaria faberi, Soybeans, Weeds.

12726-69
INCORPORATION OF DYCHLOBENIL IN MULCHES.
F O Lanphear
Weed Sci 16(2):230-231
Apr 1968 79.8 W41
Chemical control (weeds), Dichlobenil, Herbicides, Mulches.

12727-69
INTERACTION OF EPTC AND DNBP ON SEEDLINGS OF ALFAFA AND BIRDSFOOT TREFOIL.
D L Linscott R D Hagin
Weed Sci 16(2):182-184 REF
Apr 1968 79.8 W41
Alfalfa, Birdsfoot trefoil, Chemical control (weeds), Dinoseb, Ethyl N,N-dipropylthiocarbamate, Herbicides, Seedlings.

12728-69
EFFECTS OF TWO ENVIRONMENTAL FACTORS ON REMOVAL OF 2,4-DB FROM FORAGE.
D L Linscott R D Hagin
Weed Sci 16(2):114-116
Apr 1968 79.8 W41
Alfalfa, Dichlorophenoxy) butyric acid, 4-(2,4-, Herbicides, Light, Rainfall.

12729-69
PHYTOTOXICITY AND MOVEMENT OF AMIBEN DERIVATIVES IN SOIL.
J J Linscott O C Burnside T L Lavy
Weed Sci 17(2):170-174
Apr 1969 79.8 W41
Adsorption, Amiben, Chemical control (weeds), Corn, Phytotoxicity, Soils, Soybeans, Weed control.

12730-69
TRANSLOCATION AND FATE OF DICAMBA IN PURPLE NUTSEDGE.
A C Magalhaes F M Ashton C L Foy
Weed Sci 16(2):240-245 REF
Apr 1968 79.8 W41
Autoradiography, Chromatography, Cyperus rotundus, Dicamba, Herbicides, Plant physiology, Plant translocation.

12731-69
SOYBEAN MITOCHONDRIAL RESPONSE TO PROMETRYNE AND FLUOMETURON.
J L McDaniel R E Frans
Weed Sci 17(2):192-196 REF
Apr 1969 79.8 W41
Dimethyl-3-(alpha,alpha,alpha-trifluoro-m-tolyl)urea, 1,1-, Herbicides, Mitochondria, Plant metabolism, Prometryne, Soybcans.

12732-69
THE EFFECT OF LINURON ON ION UPTAKE IN CORN, SOYBEAN, AND CRABGRASS.
R B Nashed R D Ilnicki
Weed Sci 16(2):188-192 REF
Apr 1968 79.8 W41
Corn, Digitaria, Herbicides, Ions, Linuron, Plant biochemistry, Soybeans.

12733-69
CONTROL OF BROOMRAPE IN PEAS AND CARROT CROPS.
D Netzer
Plant Dis Rep 53(9):731-732
Sep 1969 1.9 P69P
Carbamates, Carrots, Chemical control (weeds), Herbicides, Orobanche, Peas.

12734-69
PROPANIL AND MOLINATE FOR CONTROL OF BARNYARDGRASS IN WATER-SEEDED RICE.
E A Oelke M D Morse
Weed Sci 16(2):235-239
Apr 1968 79.8 W41
Carbamates, Chemical control (weeds), Echinochloa crusgalli, Ethyl hexahydro-1h-azepine-1-carbothioate, S, Herbicides, Propanil, Rice.

12735-69
RESPONSE OF SAGO PONDWEED TO PERIODIC REMOVAL OF TOPGROWTH.
A G Ogg V F Bruns A D Kelley
Weed Sci 17(2):139-141
Apr 1969 79.8 W41
Aquatic plants, Chemical control (weeds), Herbicides, Hydrocarbons, Potamogeton pectinatus, Solvents.

12736-69
ORGANIC MATTER--AMIBEN INTERACTION ON NODULATION AND GROWTH OF SOYBEANS.
J W K Olumbe C Yeatch
Weed Sci 17(2):264-265 REF
Apr 1969 79.8 W41
Amiben, Herbicides, Nodules (plants), Organic soils, Plant physiology, Soybeans.

12737-69
LEACHING OF SEVEN S-TRIAZINES.
E G Rodgers
Weed Sci 16(2):117-120 REF
Apr 1969 79.8 W41
Biological assay, Cucumbers, Herbicides, Oats, Sandy soils, Soil leaching, Triazines.

12738-69
TRIFLURALIN PERSISTENCE AS AFFECTED BY DEPTH OF SOIL INCORPORATION.
K E Savage W L Barrentine
Weed Sci 17(3):349-352
Jul 1969 79.8 W41
Chemical analysis, Herbicide residues, Soils, Trifluralin.

12739-69
PERSISTENCE OF DICHLOBENIL AN SD-7961 IN SOIL.
T J Sheets C I Harris J W Smith
Weed Sci 16(2):245-249
Apr 1968 79.8 W41
Beans, Dichlobcnil, Dichlorothiobenzamide, 2,6-, Herbicides, Pesticide residues, Soils.

12740-69
WEED CONTROL IN TURF.
F W Slife J D Butler
Turfgrass Conf Proc 5:47-49
03 Dec 1964 SB433.14
Chemical control (weeds), Herbicides, Poa, Turf.
The herbicides discussed are: Dicamba, 2,4-D, MCPP, Bctasan, Tupersan, and Azak. Many types of weeds are discussed.

12741-69
METABOLISM OF PYRAZON IN SUGAR BEETS AND SOIL.
G R Stephenson S K Ries
Weed Sci 17(3):327-331
Jul 1969 79.8 W41
Chromatography, Decomposition, Herbicides, Plant metabolism, Pyrazon, Soils, Sugar beets.

12742-69
RESPONSE OF OAK AND RED MAPLE TO HERBICIDES APPLIED WITH AN INJECTOR.
J P Sterrett
Weed Sci 16(2):159-160
Apr 1968 79.8 W41
Acer, Chemical control (weeds), Dicamba, Herbicide application, Phytotoxicity, Picloram, Quercus, T, 2,4,5-, Wced control.

12743-69
SOIL MOISTURE AND EFFECTIVENESS OF PREEMERGENCE HERBICIDES.
R L Stickler E L Knake T D Hinesly
Weed Sci 17(2):257-259
Apr 1969 79.8 W41
Amiben, Atrazine, Chemical control (weeds), Chloro-N-isopropylacetanilide, 2-, Ethyl N,N-dipropylthiocarbamate, Herbicides, Preemergence, Setaria faberii, Soil moisture, Trifluralin, Weed control.

12744-69
FOLIAR AND ROOT ABSORPTION OF ATRAZINE APPLIED POSTEMERGENCE TO GIANT FOXTAIL.
L Thompson F W Slife
Weed Sci 17(2):251-256 REF
Apr 1969 79.8 W41
Absorption, Atrazine, Foliage, Herbicides, Phytotoxicity, Roots, Setaria faberii.

12745-69
WOODY PLANT SHOOT MANAGEMENT AND RESPONSE TO HERBICIDAL TREATMENT.
R P Upchurch J A Keaton H D Coble
Weed Sci 17(2):175-180 REF
Apr 1969 79.8 W41
Acer rubrum, D, 2,4-, Herbicides, Persimmons, Phenoxy acid compounds, Plant physiology, T, 2,4,5-, Weed control.

12746-69
COMPATIBILITY OF CHEMICAL AND MECHANICAL WEED CONTROL METHODS.
R P Upchurch F L Selman
Weed Sci 16(2):121-130 REF
Apr 1969 79.8 W41
Chemical control (weeds), Cultural control (weeds), Integrated control (weeds), Methodology, Weed control.

LIVESTOCK PROTECTION

DISEASES

12747-69
ON TRICHINELLOSIS OF ANIMALS IN THE NORTH-EASTERN USSR. (RUS)
Y I Afanasiev
Med Parazitol Parazitarn Bolezni 37(3,MAY-JUN):365-366
1968 448.8 M469
Animal diseases, Insect vectors, Larvae, Trichinella spiralis, Trichinosis. English summary

12748-69
ANTIGENIC PROPERTIES OF MYCOPLASMA ORGANISMS AND MEMBRANES.
M Argaman S Razin
J Gen Microbiol 55(1):45-58 REF
Jan 1969 448.3 J823
Immunology, Mycoplasma, Proteins, Rabbits, Serological tests.

12749-69
THE ISOLATION OF TWO ENZYME-RIBONUCLEIC ACID COMPLEXES INVOLVED IN THE SYNTHESIS OF FOOT-AND-MOUTH DISEASE VIRUS RIBONUCLEIC ACID.
R B Arlinghaus J Polatnick
Nat Acad Sci Proc 62(3):821-828
Mar 1969 500 N21P
Biochemistry, Enzymes, Foot-and-mouth disease virus, Hamsters, Ribonucleic acid.

12750-69
SLAFRAMINE: A PARASYMPATHOMIMETRIC FROM RHIZOCTONIA LEGUMINICOLA.
S D Aust H P Broquist K L Rinehart
Biotechnol Bioeng 10(4):403-412 REF
Jul 1968 381 J8224
Acetoxy-8-aminooctahydroindolizidine, I-, Cattle, Culture media, Red clover, Rhizoctonia leguminicola, Toxicology. English summary.

12751-69
RAILLIETINA CESTICILLUS: FATTY ACID COMPOSITION.
H Botero W M Reid
Exp Parasitol 25(1):93-100 REF
Aug 1969 436.8 EX7
Cestoda, Chemical analysis, Chickens, Fatty acids, Linoleic acid, Metabolism, Raillietina cesticillus, Tribolium.

12752-69
PIGEON FAILURE AS VECTOR OF FOWL CHOLERA IN TURKEYS.
J Brown R B Davis D L Dawe
Avian Dis 13(3):670-672
Aug 1969 41.8 AV5
Disease transmission, Fowl cholera, Pigeons, Poultry diseases, Turkeys, Vectors.

12753-69
NONSTAINING PHENYLENEDIMETHYLENE-BIS-(TRIPHENYLPHOSPHONIUM) SALT - INACTIVATED HOG CHOLERA VIRUS VACCINE. PATENT 3,455,782.
V J Cabasso M R Stebbins E J Frazza
Us Patent Office Offic Gaz 864(3):923
15 Jul 1969 156.65 OF2
Hog cholera vaccines, Hog cholera virus, Organophosphorus compounds, Patents, Swine.

12754-69
ON THE SPECIFICITY OF SOME HELMINTHS PARASITIZING ANSERIFORMES. (RUS0)
B Caplinsky
Helminthologia 8(1-4):87-91 REF
1967 436.8 H36
Ducks, Geese, Helminthiasis, Surveys. English and German abstract.

12755-69
OBSERVATIONS ON THE ULTRASTRUCTURE OF THE SPINAL CORD, SPLEEN AND LYMPH NODES OF MICE INOCULATED WITH SCRAPIE.
R L Chandler
Res Vet Sci 10(3):292-293
May 1969 41.8 R312
Cells, Cytology, Injections, Lymph nodes, Mice, Scrapie, Spinal cord, Spleen.

12756-69
CONTRIBUTION TO AN IMPROVED DIAGNOSTIC (TEST) FOR BOVINE CYSTICERCOSIS. (FR00)
I Cironeanu V Popovici
Helminthologia 8(1-4):75-78
1967 436.8 H36
Animal physiology, Cattle, Cysticercus bovis, Diagnosis, Echinococcosis, Muscles. English, Russian and German abstract.

12757-69
INTRACELLULAR AVIAN INFECTIOUS BRONCHITIS VIRUS: DETECTION BY FLUORESCENT ANTIBODY TECHNIQUES IN NONAVIAN KIDNEY CELL CULTURES.
M F Coria
Avian Dis 13(3):540-547 REF
Aug 1969 41.8 AV5
Diagnosis, Fluorescent antibody technic, Infectious bronchitis, Poultry diseases, Tissue culture, Virus diseases (animals).

12758-69
SEROLOGICAL SPECIFICITY OF DICTYOCAULUS VIVIPARUS.
R L Cornwell
Helminthologia 8(1-4):79-85
1967 436.8 H36
Antigens, Cattle, Dictyocaulus viviparus, Serological tests, Verminous bronchitis. Russian and German abstracts.

12759-69
IMMUNOCHEMICAL STUDIES OF FOOT-AND-MOUTH DISEASE. IV. PREPARATION AND EVALUATION OF ANTISERA SPECIFIC FOR VIRUS, VIRUS PROTEIN SUB-UNIT AND THE INFECTION-ASSOCIATED ANTIGEN.
K M Cowan
J Immunol 101(6):1183-1191,REF
Dec 1968 448.8 J8232
Antigens, Foot-and-mouth disease, Immunochemistry, Proteins, Serum.

12760-69
VIRAL ENCEPHALITIS OF EQUINES AND DOMESTIC RUMINANTS IN THE NEAR EAST. PART II.
R Daubney
Res Vet Sci 8(4):419-439 REF
Oct 1967 41.8 R312
Borna disease, Equine encephalomyelitis, Horses, Immunization, Ruminants, Virus diseases (animals).

12761-69
THE PERSISTENCE OF MYCOPLASMA MYCOIDES IN THE HOST AFTER VACCINATION WITH TI BROTH VACCINE.
G Davies
Res Vet Sci 10(3):225-231 REF
May 1969 41.8 R312
Cattle, Immunization, Mycoplasma mycoides, Vaccines.

12762-69
CHARACTERIZATION OF MYCOPLASMA PULMONIS VARIANTS ISOLATED FROM RABBITS. I. IDENTIFICATION AND PROPERTIES OF ISOLATES.
B J Deeb G E Kenny
J Bacteriol 93(4):1416-1424 REF
Apr 1967 448.3 J82
Electron microscopy, Mycoplasma pulmonis, Phase-contrast microscopy, Rabbits, Serological tests.

12763-69
CHARACTERIZATION OF MYCOPLASMA PULMANIS VARIANTS ISOLATED FROM RABBITS. II. BASIS FOR DIFFERENTIATION OF ANTIGENIC SUBTYPES.
B J Deeb G E Kenny
J Bacteriol 93(4):1425-1429
Apr 1967 448.3 J82
Antigens, Immunology, Mycoplasma pulmonis, Rabbits.

12764-69
CHEMOPROPHYLAXIS OF FASCIOLOSIS. (RUS0)
N V Demidov
Helminthologia 8(1-4):103-112
1967 436.8 H36
Drug therapy, Fasciola hepatica, Sheep, Trichlorfon. English and German abstract.

12765-69
ULTRAVIOLET INACTIVATION AND PHOTOREACTIVATION OF AVIAN VIRUSES.
D R Deshmukh B S Pomeroy
Avian Dis 13(3):596-602 REF
Aug 1969 41.8 AV5
Influenza viruses, Poultry diseases, Serological tests, Turkeys, Virus diseases (animals).

12766-69
DIFFERENCES BETWEEN BRUCELLA ANTIGENS INVOLVED IN INDIRECT HEMAGGLUTINATION TESTS WITH NORMAL AND THINNED RED BLOOD CELLS.
R Diaz L M Jones D Leong J B Wilson
J Bacteriol 94(3):499-505 REF
Sep 1967 448.3 J82
Antigens, Blood cells, Brucella abortus, Hemagglutination, Serological tests.

12767-69
ANTIGENIC RELATIONSHIP OF BRUCELLA OVIS AND BRUCELLA MELITENSIS.
R Diaz L M Jones J B Wilson
J Bacteriol 93(4):1262-1268 REF
Apr 1967 448.3 J82
Antigens, Brucella melitensis, Brucella ovis, Epididymitis, Immunology, Rabbits, Rams, Serological tests.

12768-69
DIAGNOSIS OF CLASSICAL SWINE PLAGUE AND TITRATION OF ANTISERA BY PASSIVE HEMAGGLUTINATION. (FR00)
T V Du D T So
Rec Med Vet 145(7):711-723
Jul 1969 41.8 R24
Antibodies, Hemagglutination, Hog cholera, Methodology, Swine, Virus diseases (animals), Volumetric analysis. English and Spanish abstracts.

12769-69
PASSIVE TRANSFER OF RESISTANCE TO MAREK'S DISEASE.
T L Feldbush T A Maag
Avian Dis 13(3):677-680
Aug 1969 41.8 AV5
Avian lymphomatosis, Chickens, Immunity, Virus diseases (animals).

12770-69
LOCAL AND REGIONAL APPLICATION OF HYDROGEN PEROXIDE IN THE CONTROL OF CLOSTRIDIAL MYOSITIS IN RABBITS.
J W Finney S Haberman G J Race G A Balla J T Mallams
J Bacteriol 93(4):1430-1437 REF
Apr 1967 448.3 J82
Clostridium perfringens, Hydrogen peroxide, Inflammation, Muscles, Rabbits.

12771-69
THE EFFECT OF HYDROCHLORIC ACID AND GASTRIC JUICE ON SOME MORPHOLOGICAL CHANGES OF TRICHOMONAS INTESTINALIS.
J Glebski
Acta Parasitol Polon 16(1-19):127-130 REF
15 Feb 1969 436.8 AC8
Animal diseases, Gastrointestinal system, Hydrochloric acid, Morphology, Protozoa, Secretions, Trichomonas.

12772-69
AGAR GEL AND IMMUNOELECTROPHORETIC ANALYSIS OF SEVERAL STRAINS OF TRYPANOSOMA CRUZI.
S M Gonzalez-Cappa I G Kagan
Exp Parasitol 25(1):50-57 REF
Aug 1969 436.8 EX7
Antigens, Electrophoresis, Immunity, Trypanosoma cruzi.

12773-69
BOVINE BABESIOSIS: THE IMMUNITY OF CALVES TO BABESIA BIGEMINA INFECTION.
W T K Hall L Tammemagi L A Y Johnston
Australian Vet J 44(6):259-264 REF
Jun 1968 41.8 AU72
Babesia bigemina, Calves, Immunity, Livestock diseases, Piroplasmosis.

12774-69
GROWTH CURVES IN PIG KIDNEY CELLS OF THREE PORCINE ADENOVIRUSES.
W M Henderson R J Colwill
Res Vet Sci 10(3):299-301
May 1969 41.8 R312
Cells, Complement fixation, Kidneys, Swine, Swine adenovirus, Virus diseases (animals).

12775-69
THE EFFECT OF DIET ON THE INCIDENCE OF INDUCED KETOSIS IN THE LACTATING DAIRY COW.
K G Hibbitt D Neill P Radford
Res Vet Sci 10(3):245-253 REF
May 1969 41.8 R312
Cattle, Dairy cattle, Deficiency diseases, Feeding, Ketosis, Lactation.

12776-69
CHICKEN EMBRYO LETHAL ORPHAN VIRUS: VIRUS LOCALIZATION AND HISTOPATHOLOGY IN CHICKEN EMBRYOS.
V Jasty P W Chang L T Miller V J Yates
Avian Dis 13(3):519-527 REF
Aug 1969 41.8 AV5
Animal histology, Chicken embryo lethal orphan virus, Chickens, Embryos, Poultry diseases.

12777-69
TITRATION OF INFECTIOUS BRONCHITIS VIRUS IN TRACHEAS OF SUSCEPTIBLE AND IMMUNE CHICKENS.
R B Johnson J A Newman F K Wills
Avian Dis 13(3):632-635 REF
Aug 1969 41.8 AV5
Chickens, Immunity, Infectious bronchitis virus, Poultry diseases, Trachea, Virus diseases (animals), Volumetric analysis.

12778-69
THE EFFECT OF BLOCKADE AND STIMULATION OF THE RETICULO-ENDOTHELIAL SYSTEM ON THE DEVELOPMENT OF EXPERIMENTAL TUBERCULOSIS. A HISTOCHEMICAL STUDY. II. STUDIES ON MYCOBACTERIUM TUBERCULOSIS (BCG).
J Kotz
Folia Histochem Cytochem 6(3):405-432
1968 385 F71
Histochemistry, Immunity, Laboratory animals, Mycobacterium tuberculosis, Reticuloendothelial system, Vaccines. Russian summary.

12779-69
THE EFFECT OF BLOCKADE AND STIMULATION OF THE RETICULO-ENDOTHELIAL SYSTEM ON THE DEVELOPMENT OF EXPERIMENTAL TUBERCULOSIS. A HISTOCHEMICAL STUDY. I. MYCOBACTERIUM TUBERCULOSIS AVIUM.
J Kotz
Folia Histochem Cytochem 6(3):355-403 REF
1968 385 F71
Histochemistry, Immunity, Laboratory animals, Mycobacterium tuberculosis, Reticuloendothelial system, Tuberculosis. Russian summary.

12780-69
THERMAL RESISTANCE OF SALMONELLA SENFTENBERG 775W IN DRY ANIMAL FEEDS.
T S Liu G H Snoeyenbos V L Carlson
Avian Dis 13(3):611-631 REF
Aug 1969 41.8 AV5
Bone meal, Disease transmission, Feeds, Meat, Salmonella senftenberg, Spores, Temperature.

12781-69
TRYPANOSOMA CRUZI: EFFECTS OF GAMMA RADIATION ON GROWTH AND INFECTIVITY.
R Martinez-Silva V A Lopez J I Colon J Chiriboga
Exp Parasitol 25(1):162-170 REF
Aug 1969 436.8 EX7
Gamma rays, Physiology, Reproduction, Tissue culture, Trypanosoma cruzi.

12782-69
SERUM PROTEIN CHANGES IN CHICKENS SUBSEQUENT TO INFECTION WITH HISTOMONAS MELEAGRIDIS.
L R McDougald M F Hansen
Avian Dis 13(3):673-677
Aug 1969 41.8 AV5
Blood proteins, Chickens, Histomonas meleagridis, Immunochemistry, Poultry diseases, Serological tests.

12783-69
ANTIGENIC TYPE OF FIRST RELAPSE VARIANTS ARISING FROM A STRAIN OF TRYPANOSOMA (TRYPANOZOON) BRUCEI.
G J C McNeillage W J Herbert W H R Lumsden
Exp Parasitol 25(1-3):1-7 REF
Aug 1969 436.8 EX7
Antigens, Clones, Immunity, Serological tests, Tissue culture, Trypanosoma brucei.

12784-69
STUDIES ON THE CONTROL OF MYCOPLASMA MELEAGRIDIS IN TURKEYS.
Y S Mohamed E H Bohl
Avian Dis 13(3):440-446 REF
Aug 1969 41.8 AV5
Eggs, Mycoplasma meleagridis, Poultry diseases, Serological tests, Turkeys, Tylosin.

12785-69
TRICHINELLA SPIRALIS: ESTABLISHMENT IN GNOTOBIOTIC MICE AFFECTED BY BACILLUS MESENTERICUS, B. SUBTILIS.
Z W Przyjalkowski R B Wescott
Exp Parasitol 25(1-3):8-12 REF
Aug 1969 436.8 EX7
Bacillus, Bacillus subtilis, Bacteriology, Germ-free life, Mice, Pseudomonas aeruginosa, Trichinella spiralis.

12786-69
SEVERE COCCIDIOSIS IN A BREEDER FLOCK FOLLOWING HIGH-LEVEL MEDICATION FOR MYCOPLASMA AND COCCIDIA CONTROL.
W M Reid R B Davis
Avian Dis 13(3):447-452
Aug 1969 41.8 AV5
Chickens, Chlortetracycline, Coccidiosis, Drug therapy, Eimeria, Mycoplasma, Tylosin, Zoalene.

12787-69
EXPERIMENTALLY INDUCED MYCOPLASMA MELEAGRIDIS INFECTION OF TURKEY REPRODUCTIVE TRACTS.
K R Rhoades
Avian Dis 13(3):508-519 REF
Aug 1969 41.8 AV5
Antibodies, Mycoplasma meleagridis, Poultry diseases, Reproductive organs, Turkeys.

12788-69
PRENATAL IMMUNIZATION OF THE LAMB TO BRUCELLA: DISSOCIATION OF IMMUNOCOMPETENCE AND REACTIVITY.
M Richardson C C Beck D T Clark
J Immunol 101(6):1363-1366
Dec 1968 448.8 J8232
Antibodies, Brucella abortus, Immunization, Lambs, Sheep.

12789-69
OBSERVATIONS OF SYSTEMIC AND LOCALIZED INFECTION ASSOCIATED WITH THE ISOLATION OF STAPHYLOCOCCUS IN CHICKENS IN NORTH CAROLINA.
S P Sahu D A Munro
Avian Dis 13(3):684-689
Aug 1969 41.8 AV5
Chickens, Diagnosis, Poultry diseases, Staphylococcus aureus.

12790-69
ATTENUATION OF THE HOG CHOLERA VIRUS BY CONTINUOUS CELL-VIRUS PROPAGATION. III. GROWTH INTERFERENCE OF NEWCASTLE DISEASE VIRUS BY ATTENUATED HOG CHOLERA VIRUS AND ITS APPLICATION TO VIRUS TITRATION AND THE NEUTRALIZATION TEST.
U Sato T Hanaki K Nobuto
Arch Gesamte Virusforsch 26(1-2):1-10
Feb 1969 448.3 AR23
Cells, Hog cholera virus, Immunodiagnosis, Interference phenomenon, Newcastle disease virus, Tissue culture, Volumetric analysis.

12791-69
GROWTH OF PATHOGENIC LEPTOSPIRA IN CHEMICALLY DEFINED MEDIA.
E Shenberg
J Bacteriol 93(5):1598-1606 REF
May 1967 448.3 J82
Culture media, Leptospira.

12792-69
PLASMODIUM LOPHURAE: (U-C14)-GLUCOSE CATABOLISM BY FREE PLASMODIA AND DUCKLING HOST ERYTHROCYTES.
I W Sherman J A Ruble I P Ting
Exp Parasitol 25(1):181-192 REF
Aug 1969 436.8 EX7
Chemical analysis, Ducks, Erythrocytes, Glucose, Metabolism, Plasmodium lophurae.

12793-69
TWO DIFFERENT TYPE A INFLUENZA VIRUS INFECTIONS IN TURKEYS IN WISCONSIN II. 1968 OUTBREAK.
L K Smithies F G Emerson S M Robertson D D Ruedy
Avian Dis 13(3):606-610
Aug 1969 41.8 AV5
Antibodies, Disease transmission, Influenza viruses, Poultry diseases, Turkeys.

12794-69
SALMONELLA INFECTIONS OF THE OVARY AND PERITONEUM OF CHICKENS.
G H Snoeyenbos C F Smyser H Van Roekel
Avian Dis 13(3):668-670
Aug 1969 41.8 AV5
Chickens, Ovaries, Peritoneum, Poultry diseases, Salmonellosis.

12795-69
DERMATOPHYTES IN VETERINARY PRACTICE.
M A Soltys G Sumner-Smith
Can Vet J 10(4):111-116 REF
Apr 1969 41.8 R3224
Chemical control (animal diseases), Fungi, Fungicides, Griseofulvin, Livestock diseases, Microsporum, Mycosis, Pets, Quarantine, Ringworm, Sanitation, Skin diseases, Trichophyton, Vitamin A. French summary.

12796-69
GROWTH INHIBITION TEST FOR IDENTIFICATION OF MYCOPLASMA SPECIES UTILIZING DRIED ANTISERUM-IMPREGNATED PAPER DISCS.
E Stanbridge L Hayflick
J Bacteriol 93(4):1392-1396 REF
Apr 1967 448.3 J82
Antiserum, Bacteriology, Mycoplasma, Plant physiology.

12797-69
IMMUNIZATION OF CHICKENS AGAINST NEWCASTLE DISEASE WITH BETA-PROPIOLACTONE-KILLED VIRUS ANTIGEN ADMINISTERED IN DRINKING WATER.
H D Stone A E Ritchie W A Boney
Avian Dis 13(3):568-578 REF

Aug 1969 41.8 AV5
Antigens, Chickens, Immunization, Newcastle disease virus, Poultry diseases, Serological tests, Water.

12798-69
SUSCEPTIBILITY OF VARIOUS STRAINS OF CHICKEN TO THE ONCOGENICITY OF YABA VIRUS.
H V Strandstrom J L Ambrus J W Pickren
Experientia 25(7):769-771
15 Jul 1969 475 EX7
Chick embryos, Disease transmission, Infectious diseases, Oncogenic viruses, Yaba monkey tumor virus.

12799-69
EIMERIA TENELLA: TEMPERATURE AND ASEXUAL DEVELOPMENT IN CELL CULTURE.
R G Strout C A Ouellette
Exp Parasitol 25(1):324-328
Aug 1969 436.8 EX7
Asexual reproduction, Eimeria tenella, Physiology, Temperature, Tissue culture.

12800-69
SYNCYTIA FORMATION OF MOSQUITO CELL CULTURES MEDIATED BY TYPE 2 DENGUE VIRUS.
E C Suitor F J Paul
Yale J Biol Med 38(3):482-485 REF
Jul 1969 448.8 Y1
Aedes albopictus, Cytopathology, Ephemeral fever, Tissue culture, Virus diseases (animals).

12801-69
AUTOIMMUNE REACTIONS OF CHICKENS INFECTED BY PLASMODIUM GALLINACEUM.
I P Szilvassy J P Kreier M Ristic
Avian Dis 13(3):528-534 REF
Aug 1969 41.8 AV5
Antibodies, Chickens, Immunity, Plasmodium gallinaceum, Poultry diseases.

12802-69
EFFECT OF DIETHYLAMINOETHYL DEXTRAN ON THE GROWTH OF MYCOPLASMA IN AGAR.
N M Tauraso
J Bacteriol 93(5):1559-1564 REF
May 1967 448.3 J82
Agar, Culture media, Diethylaminoethyl dextran, Mycoplasma, Nutrition.

12803-69
PAM 1392 (2,4-DIAMINO-6-(3,4-DICHLOROBENZYLAMINO) QUINAZOLINE) AS A CHEMOTHERAPEUTIC AGENT: PLASMODIUM BERGHEI, P. CYNOMOLGI, P. KNOWLESI, aND TRYPANOSOMA CRUZI.
P E Thompson A Bayles B Olszewski
Exp Parasitol 25(1-3):32-49 REF
Aug 1969 436.8 EX7
Drug resistance, Drug therapy, Mice, Monkeys, Plasmodium, Plasmodium berghei, Plasmodium knowlesi, Trypanosoma cruzi.

12804-69
THE INACTIVATION OF ERYSIPELOTHRIX RHUSIOPATHIAE IN MACROPHAGES FROM NORMAL AND IMMUNE MICE.
J Timoney
Res Vet Sci 10(3):301-302
May 1969 41.8 R312
Erysipelothrix rhusiopathiae, Immunity, Macrophages, Mice.

12805-69
CHICKEN-EMBRYO-ADAPTED DUCK HEPATITIS VIRUS GROWTH CURVE IN EMBRYONATED CHICKEN EGGS.
T E Toth
Avian Dis 13(3):535-539 REF
Aug 1969 41.8 AV5
Chickens, Ducks, Eggs, Embryology, Hepatitis, Poultry diseases, Virus diseases (animals).

12806-69
ENHANCEMENT AND INHIBITION OF AVIAN SARCOMA VIRUSES BY POLYCATIONS AND POLYANIONS. (0)
K Toyoshima P K Vogt
Yale J Biol Med 38(3):414-426 REF
Jul 1969 448.8 Y1
Avian tumor virus, Chicks, Ions, Poultry diseases, Tissue culture, Virus neutralization.

12807-69
PREPARATION OF MYCOPLASMA SYNOVIAE HEMAGGLUTINATION-INHIBITION.
T H Vardaman H W Yoder
Avian Dis 13(3):654-661
Aug 1969 41.8 AV5
Antigens, Hemagglutination-inhibition test, Mycoplasma synoviae, Poultry diseases, Serological tests.

12808-69
DIAGNOSIS OF SPIROCHAETOSIS OF POULTRY BY SLIDE AGGLUTINATION AND SPIROCHAETE IMMOBILIZATION TESTS.
K C Verma B S Macik
Cur Sci 37(6):170-171
20 Mar 1968 475 SCI23
Agglutination, Diagnosis, Poultry diseases, Serological tests, Spirochetosis.

12809-69
IMMUNITY RESPONSE TO THE INFECTIOUS BURSAL AGENT.
R W Winterfield
Avian Dis 13(3):548-557
Aug 1969 41.8 AV5
Bursal agent (IBA), Chickens, Immunity, Immunization, Poultry diseases, Serological tests, Virus diseases (animals).

12810-69
PLASMODIUM GALLINACEUM: CHICKEN ERYTHROCYTE SURVIVAL AS DETERMINED BY SODIUM RADIOCHROMATE AND DI-ISOPROPYLFLUOROPHOSPHATE LABELING.
R H Wright J Kreier
Exp Parasitol 25(1):339-352 REF
Aug 1969 436.8 EX7
Chickens, Erythrocytes, Phosphates, Plasmodium gallinaceum, Radioactive tracers, Sodium chromate.

12811-69
SEROLOGICAL AND BIOLOGICAL STUDY ON THE TOXOPLASMIC INFECTION IN CHICKENS FROM THE VICINITY OF ROME.
O Zardi G Giorgi E Samochowiec R Del Vecchio
Acta Parasitol Polon 16(1-19):1-8 REF
15 Feb 1969 436.8 AC8
Chickens, Protozoa, Serological tests, Toxoplasma gondii.

ARTHROPODS

12812-69
ARTHROPODS IN THE DIET OF THE CATTLE EGRET, BUBULCUS IBIS, IN SOUTHERN LOUISIANA.
E C Burns J B Chapin
J Econ Entomol 62(3):736-738
16 Jun 1969 421 J822
Arthropoda, Birds, Cattle, Insect pests, Insects, Natural control (insects), Orthoptera, Tabanus.

12813-69
FLY CONTROL IN CAGE LAYER HOUSES.
R L Combs
Miss Farm Res 33(5):2,3
May 1969 100 M69MI
Baits, Chemical control (insects), Copper, Dichlorophenyl O-methyl isopropylphosphoramidothioate, O-2 ,, Dimethoate, Insect pests, Insecticides, Musca domestica, Organophosphorus compounds, Poultry, Ronnel, Spraying.

PARASITES

12814-69
INTRADERMAL TESTS AND SEROLOGICAL REACTIONS WITH ANTIGENS OF TRICHINELLA SPIRALIS IN PERSONS INFESTED BY DIFFERENT FORMS OF PARASITES. (RUS0)
A Adonatlo Z Gancaz Z Dymovska V Zapart
Helminthologia 8(1-4):23-30
1967 436.8 H36
Antigens, Diagnosis, Human diseases, Intestines, Serological tests, Trichinella spiralis. English and German abstract.

12815-69
ALLERGIC SYMPTOMS IN THE CLINICAL PICTURE OF ECHINOCOCCOSIS. (GE00)
F Ambrosic
Helminthologia 8(1-4):31-35
1967 436.8 H36
Animal physiology, Antibodies, Diagnosis, Echinococcosis, Human diseases, Hypersensitivity, Serological tests. English and Russian abstract.

12816-69
INHIBITION OF OSTERTAGIA OSTERTAGI AT THE EARLY FOURTH LARVAL STAGE. I. THE SEASONAL INCIDENCE.
J Armour F W Jennings G M Urquhart
Res Vet Sci 10(3):232-237 REF
May 1969 41.8 R312
Calves, Nematodes, Ostertagia ostertagi, Pastures, Physiology.

12817-69
THE ANTIGEN-ANTIBODY REACTIONS IN THE HELMINTHIASES.
F J de Azevedo
Helminthologia 8(1-4):133-145
1967 436.8 H36
Antibodies, Antigens, Helminthiasis, Serological tests.

12818-69
SANITATION OF A FOWL-FLOCK FROM THE GEOHELMINTH HETERAKIS GALLINARUM. (RUS0)
V Birova-volosinovicova
Helminthologia 8(1-4):37-46
1967 436.8 H36
Drug therapy, Heterakis gallinarum, Poultry diseases, Poultry farm management. English and German abstract.

12819-69
EXPERIMENTAL INFECTION OF CALVES WITH FASCIOLA GIGANTICA.
P K Bitakaramire O Bwangamoi
Exp Parasitol 25(1):353-357
Aug 1969 436.8 EX7
Anemia, Calves, Diagnosis, Fasciola gigantica.

12820-69
ON THE EVIDENCE OF INFESTATION ABILITY OF ASCARID EGGS (ASCARIS SUUM GOEZE,1782) IN STRANGE HOSTS. (GE00)
R Buchwalder
Helminthologia 81(1-4):53-56
1967 436.8 H36
Animal disease transmission, Ascaris lumbricoides suum, Eggs, Mice, Nematodes. English and Russian abstract.

12821-69
LIPID METABOLISM IN HELMINTH PARASITES. VII. TRIGLYCERIDE SYNTHESIS IN HYMENOLEPIS DIMINUTA (CESTODA).
G H Buteau D Fairbairn
Exp Parasitol 25(1):265-275 REF
Aug 1969 436.8 EX7
Cestoda, Glycerides, Hymenolepis diminuta, Lipids, Metabolism, Radioactive tracers, Synthesis.

12822-69
ON THE FOCUS OF TRICHINELLOSIS OF SWINE WITH EPIDEMIOLOGIC IMPLICATIONS. (FR00)
I Cironeanu H Tomutia

Helminthologia 8(1-4):71-74
1967 436.8 H36
Chloramphenicol, Drug therapy, Epidemiology, Human diseases, Nematodes, Surveys, Swine, Trichinosis. English, German and Russian abstract.

12823-69
THE ACTIVITY OF ALKALINE PHOSPHATASE IN THE DUCK INTESTINE DURING EXPERIMENTAL ECHINOSTOMATOSIS. (RU)
E Ciuniene
Acta Parasitol Lithuanica 8:81-94 REF
1968 436.9 AC8
Alkaline phosphatase, Ducklings, Echinostoma revolutum, Enzymes, Helminthiasis, Intestines, Metabolism. English and Lithuanian abstracts.

12824-69
AN EFFECTIVE ANTHELMINTIC IN TREATMENT OF QUAIL INFECTED WITH CAPILLARIA CONTORTA.
R B Davis R E Good J T Tumlin J Brown
Avian Dis 13(3):690-691
Aug 1969 41.8 AV5
Anthelmintics, Capillaria, Hydroxynaphthalimide diethyl phosphate, N-, Nematodes, Quail.

12825-69
EFFECTIVENESS OF MARETIN AND MELDANE AS TREATMENTS FOR CAPILLARIASIS IN BOBWHITES.
D L Dawe J Brown R B Davis F E Kellogg
Avian Dis 13(3):662-667
Aug 1969 41.8 AV5
Anthelmintics, Capillaria, Drug therapy, Hydroxynaphthalimide diethyl phosphate, N-, Meldane, Quail, Wildlife diseases.

12826-69
EXPERIMENTAL FASCIOLIASIS IN SMALL MAMMALS: APPARENT EFFECTS OF BITHIONOL ON FASCIOLA HEPATICA IN RATS.
B Dawes
Helminthologia 8(1-4):97-101
1967 436.8 H36
Bithionol, Drug therapy, Egg production, Fasciola hepatica, Physiology, Rats.

12827-69
PROTECTIVE ACTION OF PASSIVELY TRANSFERRED IMMUNE SERUM AND IMMUNOGLOBULIN FRACTIONS AGAINST TISSUE INVASIVE STAGES OF THE DWARF TAPEWORM, HYMENOLEPIS NANA.
J J Di Conza
Exp Parasitol 25(1):368-375 REF
Aug 1969 436.8 EX7
Globulins, Hymenolepis nana, Immunity, Mice, Physiology, Serological tests.

12828-69
GROWTH RATE OF TWO TAENIA CRASSICEPS STRAINS.
F J Dorais G W Esch
Exp Parasitol 25(1):395-398
Aug 1969 436.8 EX7
Field mice, Foxes, Physiology, Population, Reproduction, Taenia.

12829-69
HYMENOLEPIS DIMINUTA: EFFECT OF QUALITY OF HOST DIETARY CARBOHYDRATE ON GROWTH.
L C Dunnkley D F Mettrick
Exp Parasitol 25(1):146-161 REF
Aug 1969 436.8 EX7
Carbohydrates, Cestoda, Hymenolepis diminuta, Nutrition, Physiology, Rats, Starches.

12830-69
ON THE SPECIFICITY OF SOME SPECIES OF THE SUBORDER RHABDITATA. (RUS0)
M Dziuban
Helminthologia 8(1-4):121-125
1967 436.8 H36
Animal diseases, Helminthiasis, Rhabditis, Surveys.

12831-69
THE INFLUENCE OF THE BIOTOPES ON HELMINTH SPECIFICITY. (GE00)
B Erhardova-Kotrla
Helminthologia 8(1-4):127-132
1967 436.8 H36
Biotypes, Ecology, Helminthiasis, Zoogeography.

12832-69
ON THE UBIQUITY OF PARAMPHISTOMAITES IN THE UNGULATA. (FR00)
S Gretillat
Helminthologia 8(1-4):161-169
1967 436.8 H36
Animal diseases, Animal physiology, Surveys, Trematodiasis, Zoogeography. English, german and Russian abstract.

12833-69
SPECIFICITY IN ANGIOSTRONYLUS VASORUM (BAILLET,1866). (FR00)
J Guilhon
Helminthologia 8(1-4):171-172
1967 436.8 H36
Dogs, Helminthiasis, Physiology.

12834-69
ON A NEW CESTODE, RAILLIETINA (RAILLIETINA) STREPTOPELIAE SP. N. FROM RED TURTLE DOVE, STREPTOPELIA TRANQUEBARICA TRANQUEBARICA.
N K Gupta S S Grewal
Acta Parasitol Polon 16(1-19):73-75 REF
15 Feb 1969 436.8 AC8
Cestoda, Pigeons, Raillietina, Taxonomy.

12835-69
AFFECTING THE QUALITY OF WOOL IN MERINO-SHEEP BY ARTIFICIAL INFESTATION WITH SOME GASTRO-INTESTINAL NEMATODES, NAMELY TRICHOSTRONGYLIODES. (GE00)
T H Heipe
Helminthologia 8(1-4):173-176
1967 436.8 H36
Gastrointestinal system, Livestock diseases, Sheep, Trichostrongylidae, Wool. English and Russian abstract.

12836-69
BASIC FACTORS CONDITIONING THE SPECIFICITY OF THE HELMINTH INVASION CYCLE.
J Horvorka
Helminthologia 8(1-4):177-180
1967 436.8 H36
Biology, Helminthiasis, Infestation, Physiology.

12837-69
THE HELMINTH PARASITES OF HIRUNDINIDAE OF THE NEIGHBORHOOD OF WARSAW AND OLSZTYN.
W Jaron
Acta Parasitol Polon 16(1-19):137-152 REF
15 Feb 1969 436.8 AC8
Birds, Helminths, Surveys.

12838-69
THE DEVELOPMENT OF AMIDOSTOMUM ANSERIS (ZEDER, 1800) IN THE ORGANISM OF COLUMBA LIVIA DOMI. (RUS0)
W Jaron
Helminthologia 8(1-4):195-199
1967 436.8 H36
Animal disease transmission, Geese, Helminthiasis, Larvae, Physiology, Pigeons. English and German abstract.

12839-69
ECHINOCOCCUS GRANULOSUS: ULTRASTRUCTURE OF MICROTRICHES.
R K Jha J D Smyth
Exp Parasitol 25(1):232-244 REF
Aug 1969 436.8 EX7
Cytology, Echinococcus granulosus, Electron microscopy, Gastrointestinal system.

12840-69
CHEMOPROPHYLACTIC SANITATION OF ENTEROBES. (GE00)
R Juranyi M Misloczky
Helminthologia 8(1-4):215-221
1967 436.8 H36
Drug therapy, Helminthiasis, Human diseases, Piperazine. English and Russian abstract.

12841-69
HOST SPECIFICITY AS EVIDENCED BY SPECIES OF FASCIOLA.
S B Kendall
Helminthologia 8(1-4):223-233
1967 436.8 H36
Eggs, Fasciola hepatica, Infestation, Longevity, Mollusks.

12842-69
ROUND WORM INFESTATION IN CALVES.
R H Khouri J L Mannering J W Moxham
New Zeal J Agr 119(1):38-39,41
Jul 1969 23 N48J
Ascaris, Calves, Food habits, Gastrointestinal system, Pasture management, Surveys.

12843-69
SEASON DYNAMICS OF THE INFESTATION CYCLE OF CYSTICERCUS BOVIS IN NATURALLY INFESTED CATTLE. (GE00)
K Koudela
Helminthologia 8(1-4):261-268
1967 436.8 H36
Biology, Cattle, Cysticercus bovis, Population. English and Russian abstract.

12844-69
SPECIFICITY OF THE INTESTINAL STAGE IN THE DEVELOPMENT OF TRICHINELLA SPIRALIS. (GE00)
M Kozar Z Kozar
Helminthologia 8(1-4):269-272
1967 436.8 H36
Infestation, Intestines, Livestock diseases, Nematodes, Physiology, Trichinella spiralis. German and Russian abstract.

12845-69
THE ROLE OF PHYLOGENY AND ECOLOGY OF HELMINTH AND HOST IN THE FORMATION OF HELMINTH FAUNA IN ANIMALS.
B E Kurashvili
Helminthologia 8(1-4):283-288
1967 436.8 H36
Biology, Ecology, Evolution, Helminthiasis, Heterakis gallinarum, Raillietina.

12846-69
ON THE SPECIFITY OF THE TAPEWORM ECHINOCOCCUS GRANULOSUS (BATSCH, 1786). (GE00)
R Lubke
Helminthologia 8(1-4):305-307
1967 436.8 H36
Animal disease transmission, Cats, Cysts, Dogs, Echinococcus granulosus, Foxes. English and Russian abstract.

12847-69
ON THE HOST SPECIFICITY OF ASCARIDS OF HUMAN AND PIG ORIGIN.
H Lysek
Helminthologia 8(1-4):309-312 REF
1967 436.8 H36
Animal disease transmission, Ascariasis, Human diseases, Parasitism, Swine.

12848-69
ON THE SPECIFICITY OF THE NEMATODE TRICHOCEPHALUS SUIS SCHRANK,1788. (RUS0)
A K Medzevicius
Helminthologia 9(1-4):391-397 REF
1968 436.8 H36
Animal disease transmission, Antigens, Immunodiagnosis, Parasitism, Physiology, Swine, Trichuriasis. English and German abstract.

12849-69
RELATION AMONG LIVER FLUKE POPULATIONS IN CATTLE AND THE RESULTS OF COPROLOGICAL EXAMINATIONS. (FR00)
D Mikaeie
Helminthologia 9(1-4):399-403
1968 436.8 H36
Cattle, Clonorehis, Dierocoelium, Egg produetion, Faseiola, Livestoek diseases, Opisthorehis, Population, Surveys. Russian and German abstract.

12850-69
ADAPTATION OF SOME MAMMALIAN HELMINTHS IN THE LIGHT OF HELMINTHOCOENOSES.
J Mitueh
Helminthologia 9(1-4):405-408
1968 436.8 H36
Eeology, Helminthiasis, Mammals, Parasitism, Population.

12851-69
INVASION EXPERIMENTS WITH TRICHINELLA SPIRALIS IN FOWLS. (RUS0)
L Nemeseri
Helminthologia 9(1-4):417-420
1968 436.8 H36
Animal disease transmission, Chickens, Immunity, Muscles, Nematodes, Poultry diseases, Trichinella spiralis. German abstract.

12852-69
PARATENIC PARASITISM AS AN INDICATOR OF THE SPECIFICITY OF THE DEFINITE HOST IN SOME TREMATODES. (GE00)
K Odening
Helminthologia 9(1-4):429-435
1968 436.8 H36
Animal diseases, Biology, Birds, Immunity, Larvae, Parasitism, Trematoda, Trematodiasis. English and Russian abstraet.

12853-69
GLUCOSE UPTAKE IN HAEMATOLOECHUS MEDIOPLEXUS AND GORGODERINA TREMATODES.
T A Parkening A D Johnson
Exp Parasitol 25(1):358-367 REF
Aug 1969 436.8 EX7
Absorption, Glucose, Metabolism, Physiology, Trematoda.

12854-69
THE HOMEOSTASIS OF THE HOST AND THE DEVELOPMENT OF THE PARASITE.
Z Pawlowski
Helminthologia 9(1-4):463-466
1968 436.8 H36
Animal physiology, Biochemistry, Corticotropin, Hormones, Parasitism, Rats, Somatotropin, Trichinosis.

12855-69
PARASITE SPECIFICITY AS THE RESULT OF ECOLOGICAL PARASITE-HOST RELATIONS. (RUS0)
J Prokopie
Helminthologia 9(1-4):491-496 REF
1968 436.8 H36
Cestoda, Distribution, Eeology, Parasitism, Reviews. English and German abstract.

12856-69
PATHOMORPHOLOGICAL AND HISTOCHEMICAL STUDIES OF LIVERS OF SHEEP EXPERIMENTALLY INFECTED WITH THE LIVER FLUKE.
B Rubaj S Furmaga
Acta Parasitol Polon 16(1-19):77-81 REF
15 Feb 1969 436.8 AC8
Animal morphology, Faseiola hepatica, Histoehemistry, Pathology, Sheep.

12857-69
THE SPECIFICITY OF HELMINTHS FROM AN ECOLOGICAL ASPECT.
B Rysavy
Helminthologia 9(1-4):507-510 REF
1968 436.8 H36
Birds, Diet, Eeology, Helminthiasis, Parasitism, Poultry, Wildlife. English and German abstract.

12858-69
SPIRURATA OF ANIMALS AND HUMANS AND THEIR DISEASES. (RUS)
A A Skryabine A A Sobolev B M Ivashkin
Akad Nauk Sssr Gelmintol Lab Tr 16(4):5-624 REF
1967 436.9 AK1
Animal diseases, Diagnosis, Histology, Human diseases, Morphology, Nematodes, Spiruridae, Taxonomy.

12859-69
CRITICAL TRIALS ON THE EFFICACY OF THIABENDAZOLE AGAINST OSTERTAGIA OSTERTAGI, COOPERIA ONCOPHORA, AND NEMATODIRUS HELVETIANUS.
H J Smith R M Arehibald
Can Vet J 9(3):57-60 REF
Mar 1968 41.8 R3224
Anthelmintics, Cattle, Cooperia oneophora, Helminthiasis, Nematodes, Nematodirus helvetianus, Ostertagia ostertagi, Thiazolyl)-benzimidizole, 2-(4-. Freneh summary.

12860-69
METASTRONGYLOSIS OF SWINE ORIGINATING FROM THE LUBLIN PALATINATE.
K Sobieszewski
Acta Parasitol Polon 16(1-19):91-95 REF
15 Feb 1969 436.8 AC8
Animal morphology, Histochemistry, Metastrongylus, Pathology, Swine.

12861-69
STUDIES ON IMMUNITY OF CALVES TO DICTYOCAULUS VIVIPARUS REINFECTION. V. SEROLOGICAL STUDIES ON EXPERIMENTAL DICTYOCAULOSIS CAUSED BY NORMAL AND X-RAY INACTIVATED LARVAE.
M Swietlikowski
Acta Parasitol Polon 16(1-19):101-115 REF
15 Feb 1969 436.8 AC8
Calves, Dietyoeaulus viviparus, Immunity, Larvae, Serological tests.

12862-69
STUDIES ON THE CONTROL OF GALBA TRUNCATULA IN LARGE PASTURES. II. THE EFFECT OF SNAIL CONTROL ON THE EXTENSIVENESS OF INFECTION IN CATTLE.
S Tarczynski L Szepelski
Acta Parasitol Polon 16(1-19):117-120
15 Feb 1969 436.8 AC8
Cattle, Copper sulfate, Fasciola hepatica, Molluseaeides, Pastures, Pest eontrol, Snails.

12863-69
IMMUNITY TO PARASITES.
A E R Taylor
Brit Soc Parasitol Symp 6,118 P, REF
1968 436.9 B77
Blood, Eimeria, Helminthiasis, Helminthology, Immunity, Immunization, Intestines, Livestoek diseases, Parasitism, Protozoa, Tissues.

Includes: Immunity, by R.R.A. Coombs; Immunity to tissue Protozoa, by F.E.G. Cox; Aequired immunity to blood parasitic Protozoa, by G.A.T. Targett; Immunity to the Eimeria, by M.E. Rose; Immunity to intestinal helminths, the 'self-cure' reaction, by W. Mulligan; Immunity to blood helminths, by S.R. Smithers; Immunity to helminths assoeiated with the tissues, by J.F. Michel; The applieation of immunology to helminth diseases, by R.J. Terry; Chairman's closing remarks, by J.H. Humphrey.

12864-69
ECOLOGICAL SPECIFICITY OF INTERMEDIATE HOSTS OF THELAZIA IN CATTLE AND THE RELATION OF THEIR INFECTIVE LARVAE TO SOME UNUSUAL HOSTS.
I Vilagiova
Helminthologia 9(1-4):563-566
1968 436.8 H36
Cattle, Eeology, Inseet vectors, Larvae, Musca, Surveys, Thelazia. Russian and German abstract.

12865-69
FASCIOLIASIS OF RUMINANTS IN JAPAN.
S Watanabe
Jarq 2(2):22-27
1967 S19.J3
Diagnosis, Drug therapy, Fascioliasis, Livestock diseases, Nematode infestation, Parasitism, Ruminants.

12866-69
ON THE HOST SPECIFICITY OF PARTHENOGENETIC STAGES OF FASCIOLA HEPATICA UNDER LABORATORY CONDITIONS.
T Wilkerhauser M Zukovie
Helminthologia 9(1-4):567 571 REF
1968 436.8 H36
Animal disease transmission, Biology, Fasciola hepatica, Parthenogenesis, Snails. Russian, French and German abstraet.

12867-69
THE EVALUATION OF FRACTIONATED ANTIGENS OF TRICHINELLA SPIRALIS IN COMPLEMENT FIXATION AND RING PRECIPITATION TESTS.
W Zapart A Adonajlo Z Gancarz
Acta Parasitol Polon 16(1-19):9-18 REF
15 Feb 1969 436.8 AC8
Antigens, Complement fixation, Larvae, Preeipitin test, Serologieal tests, Triehinella spiralis.

12868-69
SPECIFICITY OF THE PARASITES FROM THE ECOLOGICAL POINT OF VIEW. (GE00)
I Zmoray
Helminthologia 9(1-4):585-608
1968 436.8 H36
Ecology, Helminthiasis, Nomenclature, Parasitism, Reviews, Statistical analysis. English and Russian abstraet.

COMMODITY PROTECTION

STORAGE DISEASES

12869-69
EFFECT OF RELATIVE HUMIDITY AND LENGTH OF STORAGE PERIOD UPON FUNGAL INVASION AND GERMINATION PERCENTAGE OF BAJRA SEEDS.
S R S Dange K L Kothari
Bull Grain Technol 6(2):110-112
Jun 1968 TS2120.B8
Aspergillus niger, Fungus diseases (plants), Humidity, Pearlmillet, Seed germination, Storage diseases, Time.

12870-69
SUPERFICIAL SCALD, A FUNCTIONAL DISORDER OF STORED APPLES. IV. - EFFECT OF VARIETY, MATURITY, OIL WRAPS AND DIPHENYLAMINE ON THE CONCENTRATION OF ALPHA-FARNESENE IN THE FRUIT.
F E Huelin I M Coggiola
J Sci Food Agr 19(6):297-301
Jun 1968 382 SO12
Apples, Crop varieties, Diphenylamine, Farnesene, Plant biochemistry, Scald, Storage diseases, Stored products.

12871-69
PHYTOTOXICITY OF DITHIOCARBAMATE FUNGICIDES ON WORCESTER PEARMAIN.
A H M Kirby M Bennett R O Sharples
East Malling Res Sta Annu Rep (A51):177-181
1968 103 EA7
Apples, Crop losses, Dithiocarbamates, Ethylene-1,2-di(thioearbamoyl dimethylthiocarbamoyl sulfide) ,, Fungieides, Phytotoxicity, Storage diseases, Thiram.

12872-69
INFLUENCE OF TEMPERATURE ON BOTRYODIPLODIA ROT OF CITRUS AND SAPODILLA.
M P Srivastava R N Tandon
Indian Phytopathol 21(2):195-197
Jun 1968 464.8 IN2
Citrus, Physalospora rhodina, Sapodilla, Storage diseases, Temperature.

12873-69
CONTROL OF MANGO ANTHRACNOSE BY FUNGICIDES.
I N Tandon B B Singh
Indian Phytopathol 21(2):212-216 REF
Jun 1968 464.8 IN2
Anthracnose, Captan, Colletotrichum gloeosporioides, Copper oxychloride, Fungicides, Fungus diseases (plants), Mangoes, Plant diseases, Storage diseases, Zineb.

ARTHROPODS

12874-69
INFLUENCE OF TEMPERATURE ON THE EFFECTIVENESS OF PARADICHLOROBENZENE FUMIGATION OF BLACK CARPET BEETLE LARVAE.
S S Batth
J Econ Entomol 62(3):747-748
16 Jun 1969 421 J822
Attagenus megatoma, Bags, Chemical control (insects), Fumigation, Household insects, Larvae, Paradichlorobenzene, Plastics, Temperature.

12875-69
TREATING PINE LUMBER WITH INSECTICIDE AND PRESERVATIVE PREVENTS TUBING BY SUBTERRANEAN TERMITES.
R H Beal
J Econ Entomol 62(3):757-758
16 Jun 1969 421 J822
Aldrin, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Dieldrin, Heptachlor, Insecticides, Lumber, Lumber preservatives, Pentachlorophenol, Pinus, Termites, Wolman salts.

12876-69
ECOLOGY OF STORED GRAIN INSECT PESTS.
G K Girish S V Pingale
Bull Grain Technol 6(2):76-95 REF
Jun 1968 TS2120.B8
Food supply, Grain, Humidity, Insect ecology, Insect pests, Insect populations, Stored products, Temperature. Many pests are mentioned.

12877-69
DISINFESTATION OF STORED SEEDS BY HEAT TREATMENT.
P B Mookherjee M G Jotwani T D Yadav P Sircar
Indian J Entomol 30(3):197-202
Sep 1968 420 IN23
Grain, Heat treatment, Sced treatment, Stored product insects.

12878-69
RESULTS OF APPLICATION OF ALUMINUM PHOSPHIDE PELLETS TO RICE WEEVILS IN AN OPEN BIN AND TO ANGOUMOIS GRAIN MOTHS UNDER AIR-TIGHT CONDITIONS.
G Rout H M Tripathy L Biswal
J Econ Entomol 62(3):715-717
16 Jun 1969 421 J822
Aluminum phosphide, Experimental insects, Fumigants, Insect eggs, Rice, Sitophilus oryzae, Sitotroga cerealella, Stored products.

12879-69
LABORATORY EVALUATION OF MALATHION AS A STORAGE PROTECTANT FOR FIGS.
G H Spitler
J Econ Entomol 62(3):754-756
16 Jun 1969 421 J822
Biological assay, Chemical control (insects), Figs, Insect eggs, Insect nutrition, Insecticide application, Insecticide residues, Insecticides, Larvae, Malathion, Organophosphorus compounds, Oryzaephilus mercator, Oryzaephilus surinamensis, Plodia interpunctella, Stored products.

RODENTS AND OTHER PESTS

12880-69
RATS AND MICE ENEMIES OF PRODUCTION, HAZARD TO HEALTH.
R E Burnell
New Zeal J Agr 119(1):95,97
Jul 1969 23 N48J
Economics, Food habits, Mice, Pest control, Poisoning, Rats, Stored products.

12881-69
IS THE MEADOW VOLE RESPONSIBLE FOR REPORTS OF AN INCREASING STATE RAT POPULATION .
M W Fall
Penn Pest Control Quart 11(4):4
Dec 1968 SB931.A1P4
Baits, Rodent control, Rodenticides, Zinc phosphide.

12882-69
HYDROXY COUMARINS AS RODENTICIDE IN WAREHOUSES.
P R Vishwambharan
Bull Grain Technol 6(2):106-109
Jun 1968 TS2120.B8
Anticoagulants, Baits, Circulatory system, Coumarin, Eradication, Rats, Rodenticides, Warehouses.

MICROBIAL CONTAMINATION

12883-69
INCIDENCE STUDY OF SPORES OF CLOSTRIDIUM BOTULINUM IN CONVENIENCE FOODS.
N F Insalata S J Witzeman G J Fredericks F C A Sunga
Appl Microbiol 17(4):542-544 REF
Apr 1969 448.3 AP5
Bacteriology, Clostridium botulinum, Food contamination, Spores.

12884-69
INVESTIGATION INTO THE CULTURING OF SALMONELLA AND SHIGELLA ORGANISMS FROM MILK AND MILK PRODUCT MEDIUMS OF ENRICHMENT PROCEDURES. I. THE INHIBITORY ACTIVITY OF THE ENRICHMENT SUBSTRATE ON THE MILK ORGANISMS. (GE00)
K Lang
Arch Lebensmittelhyg 20(6):121-128 REF
Jun 1969 41.8 L49
Culture media, Enterobacteriaceae, Food contamination, Milk, Salmonella, Tissue culture.

ENVIRONMENTAL CONTAMINATION

12885-69
ETHYLENE-ITS EFFECT ON FLOWER CROPS.
R F Hasek H A James R H Sciaroni
Florist Rev 144(3721):21,65-68,79-82
27 Mar 1969 80 W41
Air pollution, Ethylene, Flowers, Plant injuries.

12886-69
ADSORPTION, VOLATILITY, AND MIGRATION OF THIOCARBAMATE HERBICIDES IN SOILS.
E Koren C L Foy F M Ashton
Weed Sci 17(2):148-153 REF
Apr 1969 79.8 W41
Adsorption, Ethyl N,N-dipropylthiocarbamate, Flow measurement, Herbicides, Pebulate, Soils, Thiocarbamates.

RESIDUES

12887-69
ANALYSIS OF CROPS AND SOILS FOR RESIDUES OF CHLORFENVINPHOS INSECTICIDE AND ITS BREAKDOWN PRODUCTS.
K I Beyon M J Edwards K Elgar A N Wright
J Sci Food Agr 19(6):302-307
Jun 1968 382 SO12
Chlorfenvinphos, Insecticide residues, Plant biochemistry, Soil analysis.

12888-69
EFFECT OF SOIL AND CLIMATE ON HERBICIDE DISSIPATION.
O C Burnside C R Fenster G A Wicks J V Drew
Weed Sci 17(2):241-245 REF
Apr 1969 79.8 W41
Atrazine, Climate, Herbicide residues, Linuron, Propazine, Soils, Trichlorobenzyl chloride.

12889-69
EFFECTS OF DICHLOBENIL ON TWO FISHPOND ENVIRONMENTS.
O B Cope J P McCraren L Eller
Weed Sci 17(2):158-165 REF
Apr 1969 79.8 W41
Animal physiology, Aquatic plants, Chemical control (weeds), Dichlobenil, Ecology, Fish, Herbicide residues, Ponds, Weed control.

12890-69
COLORIMETRIC DETERMINATION OF 2,6-DICHLORD-4-NITROANILINE (DICHLORAN) RESIDUES IN FOODS.
J A Heagy
Ass Offic Anal Chem J 52(4):797-799
Jul 1969 381 AS7
Chemical analysis, Colorimetry, Dichloro-4-nitroaniline, 2,6-, Food contamination, Herbicide residues, Methodology.

12891-69
PERSISTENCE AND MOVEMENT OF 2,3,6-TBA IN SOIL.
W M Phillips
Weed Sci 16(2):144-148 REF
Apr 1968 79.8 W41
Herbicide residues, Soil series, Soil testing, Trichlorobenzoic acid, 2,3,6-.

12892-69
PESTICIDES RESIDUES IN FOODSTUFFS IN GREAT BRITAIN. VI. - MERCURY RESIDUES IN RICE.
N A Smart A R C Hill
J Sci Food Agr 19(6):315-316
Jun 1968 382 SO12
Mercury compounds, Pesticide residues, Rice.

TOXICOLOGY

12893-69
TETRAETHYLAMMONIUM CHLORIDE AS AN ANTIDOTE FOR CERTAIN INSECTICIDES IN MICE.
T L Andrews R P Miskus
Science 159(3821):1367-1368
22 Mar 1968 470 SC12
Animal physiology, Antidotes, Carbamates, Insecticides, Mice, Nicotine, Organophosphorus compounds, Tetraethylammonium chloride. Many insecticides were tested.

12894-69
SPONGY CHANGES IN THE BRAINS OF SHEEP POISONED BY EXCESS DIETARY COPPER.

P C Doherty R M Barlow K W Angus
Res Vet Sci 10(3):303-304
May 1969 41.8 R312
Brain, Copper, Feed, Lambs, Poisoning, Sheep.

12895-69
SYMPOSIUM ON THE ACTION OF ENTOMOPATHOLOGIC VIRUSES AND FUNGI ON THE VERTEBRATES. (FR)
B Hurpin
Entomophaga 12(4):321-323
1967 421 EN835
Entomogenous fungi, Insect diseases, Symposia, Vertebrates.

12896-69
SYNTHESIS AND EXPERIMENTAL INVESTIGATION OF A NEW ANTHELMINTHIC, MONOPAR. (RUS)
T K Konopleva A I Krotov M B Braude R L Polovinchik
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):546-548 REF
1968 448.8 M469
Anthelmintics, Dosage, Drug therapy, Laboratory animals, Nippostrongylus brasiliensis, Synthesis. English summary.

12897-69
A PRELIMINARY STUDY OF THE RODENTICIDAL ACTIVITY OF SOME DERIVATIVES OF 2-ARYLINDANDIONE-1,3 AND 2-ARYLACYLINDANDIONE-1,3. (POL)
T Szuber
Warsaw Panstw Zakl Hig Rocz 18(3):331-336
1967 449.9 W26
Rats, Rodenticides, Synthesis, Toxicology. English and Russian summaries.

PLANT PHYSIOLOGY & BIOCHEMISTRY

12898-69
EFFECTS OF MALEIC HYDRAZIDE IN PURPLE NUTSEDGE (CYPERUS ROTUNDUS L.). (POR0)
H G Blanco
Biologico 35(4):88-91
Apr 1969 442.8 B529
Cyperus rotundus, Maleic hydrazide, Plant growth inhibitors, Plant physiology. English abstract.

12899-69
CONTROLLING RHODODENDRON FLOWER BUD INITIATION.
R A Criley
Florist Rev 143(3715):36-37,93-94
06 Feb 1969 80 W41
Plant growth inhibitors, Plant physiology, Plant regulators, Rhododendron, Succinic acid, 2,2-dimethylhydrazide.

12900-69
PLANT GROWTH REGULATOR ACTIVITY OF OPTICAL ISOMERS OF DMPA.
T W Holmsen
Weed Sci 17(2):187-188 REF
Apr 1969 79.8 W41
Dichlorophenyl O-methyl isopropylphosphoramidothioate, O-2 ,, Echinochloa crusgalli, Festuca, Isomers, Plant growth regulator, Plant physiology, Triticum vulgare.

12901-69
A NOTE ON BORON TOXICCITY IN YOUNG REPLANTINGS.
A J Jeervaratnam
RRIC Bull (N s)2(1/2, MAR-JUN):22-23
1967 SB290.A1R8
Boron, Fertilizers, Hevea, Plant biochemistry, Toxicology.

12902-69
EFFECTS OF 2,4-D AND OTHER HERBICIDES ON OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA FROM CABBAGE.
P D Lotlikar L F Remmert V H Freed
Weed Sci 16(2):161-164
Apr 1968 79.8 W41
Cabbage, Herbicides, Mitochondria, Phytotoxicity, Plant metabolism, Plant physiology.

12903-69
THE DIFFERENTIAL RESISTANCE MECHANISM IN FEMALE HAMPEA SP. TREES TO THE BOLL WEEVIL.
M J Lukefahr F G Maxwell
Entomol Soc Amer Ann 63(3):542-544
May 1969 420 EN82
Anthonomus grandis, Hampea, Plant pest resistance, Plant physiology.

12904-69
IDENTIFICATION OF ETHYLENE IN GIBBERELLIC-ACID-TREATED POTATOES.
P A Poapst A B Durkee W A McGugan F B Johnston
J Sci Food Agr 19(6):325-327 REF
Jun 1968 382 SO12
Chromatography, Ethylene, Gibberellic acid, Plant biochemistry, Plant regulators, Potatoes, Spectrometry.

12905-69
EFFECT OF SUCCINIC ACID 2,2-DIMETHYLHYDRAZIDE ON FLOWER BUD FORMATION OF THE 'COVILLE' HIGHBUSH BLUEBERRY.
V G Shutak
Hortscience 3(4, WINTER):225
1968 SB1.H6
Blueberries, Crop varieties, Plant growth inhibitors, Plant physiology, Succinic acid, 2,2-dimethylhydrazide.

12906-69
EFFECT OF GIBBERELLIN A3 ON CONCENTRATION OF DNA, RNA, AND PROTEIN IN PEA PLANT (PISUM SATIVUM L.).
A Solcimani
Hortscience 3(4, WINTER):276
1968 SB1.H6
Deoxyribonucleic acid, Gibberellic acid, Peas, Plant biochemistry, Proteins, Ribonucleic acid.

12907-69
AFLATOXINS: IMPROVED RESOLUTION BY THIN LAYER CHROMATOGRAPHY.
R D Stubblefield G M Shannon O L Shotwell
Ass Offic Anal Chem J 52(4):669-672
Jul 1969 381 AS7
Aflatoxin, Chromatography, Methodology, Plant biochemistry.

12908-69
N,N-DINITROETHYLENEDIAMINE RETARDS GROWTH OF RED CEDAR AND AMERICAN ARBORBITAE.
E I Sucoff
Hortscience 3(1, SPRING):42-43
1968 SB1.H6
Dinitroethylenediamine, N,N'-, Juniperus virginiana, Plant growth inhibitors, Thuja occidentalis.

12909-69
METABOLIC FATE OF MONURON AND DIURON IN ISOLATED LEAF DISCS.
C R Swanson H R Swanson
Weed Sci 16(2):137-143
Apr 1969 79.8 W41
Biological assay, Diuron, Herbicides, Monuron, Plant metabolism, Tissue culture.

12910-69
INTERACTION OF NUTRIENTS AND FOUR ANTIFUNGAL ANTIBIOTICS IN THEIR EFFECTS OF PYTHIUM SPECIES IN VITRO AND IN SOIL.
O Vaartaja V P Agnihotri
Plant Soil 30(1):49-61 REF
Feb 1969 450 P696
Antibiotics, Chlortetracycline, Cycloheximide, Griseofulvin, Nutrient solutions (plants), Plant nutrition, Pythium, Soil fungi, Streptomycin.
Griseofulvin, streptomycin, aureomycin, and actidione, with and without nutrients, were tested against Pythium ultimum Trow (two strains), P. irregulare Buis., and P. rostratum Butler. Germination of sporangia of Pythium irregulare were studies in vitro and in a natural soil in the presence of antibiotic and antibiotic nutrient solutions.

CHEMISTRY

12911-69
N-ALKANOYLOXYPHENOXYALKANAMIDES AS HERBICIDES. PATENT 3,446,613.
J P Berliner S B Richter
Us Patent Office Offic Gaz 862(4):1197
27 May 1969 156.65 OF2
Alkanoyloxyphenoxyalkanamides, Herbicides, Patents.

12912-69
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REGULATIONS

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ABSORPTION
Absorption and metabolism of fenthion in blood-sucking arthropods. 12558

Use of radiography in seed and grain technology. 12595

Foliar and root absorption of atrazine applied postemergence to giant foxtail. 12744

Glucose uptake in Haematoloechus medioplexus and Gorgoderina trematodes. 12853

ACANTHOCEPHALA
Description of immature stages of Coreidae. 2. Acanthocephala terminalis. 12400

ACARICIDES
Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite. 12673

ACARIDAE
Control of acarids with triphenyl tin compounds. patent 3,445,575. 12545

ACARINA
A new genus and species of Tydeidae (Acari : Prostigmata) from New Zealand. 12388

A new Porolohmannella species from the Eustygon near Wiesbaden (Limnohalacaridae, Acarina). 12393

ACER
Response of oak and red maple to herbicides applied with an injector. 12742

ACER RUBRUM
Woody plant shoot management and response to herbicidal treatment. 12745

ACER SACCHARUM
Relation of the time of year to canker initiation by Fusarium solani in sugar maple. 12665

ACETOXY-8-AMINOOCTAHYDROINDOLIZIDINE, 1-
Slaframine: A parasympathomimetric from Rhizoctonia leguminicola. 12750

ACHALARUS LYCIADES
A comparative study on the fine structure of the basalar muscle of the wing and the tibial extensor muscle of the leg of the lepidopteran Achalarus lyciades. 12522

ACHETA DOMESTICUS
Uncoupling of DNA and histone synthesis prior to prophase I of meiosis in the cricket Grillus (Acheta) domesticus L. 12417

The effect of light on the circadian rhythm of locomotor activity in the house cricket (Acheta domesticus L.). 12439

Lipids in the haemolymph of the cricket, Acheta domesticus. 12551

ACROSTERNUM HILARE
Photoperiodism in relation to development and reproduction in the green stink bug. 12554

ACYRTHOSIPHON PISUM
The influence of UC-21149 and the aphidiid parasite Aphidius smithi on populations of the pea aphid. 12690

ADSORPTION
Phytotoxicity and movement of amiben derivatives in soil. 12729

Adsorption, volatility, and migration of Thiocarbamate herbicides in soils. 12886

AEDES
Practical implications of insecticide resistance in culicine mosquitoes. 12509

Factors affecting the transmission of filariae: The effect of parasitization by Brugia malayi in laboratory populations of Aedes aegypti. 12586

The transmission of Bancroft filariasis (subperiodic form) in the islands of the South Pacific. 12592

AEDES AEGYPTI
Factors influencing Aedes aegypti occurrence in containers. 12418

Genetically marked Aedes Aegypti in studies of field populations. 12452

Application of ovitraps in the U. S. Aedes aegypti eradication program. 12468

Larval development of Aedes aegypti (L.) in used auto tires. 12477

Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies. 12501

Histopathological and developmental effects of the chemosterilant apholate, on the mosquito Aedes aegypti. 12535

Oviposition traps and population sampling for the distribution of Aedes aegypti (L.). 12543

Lipids of the mutant bronze mosquito, Aedes aegypti (L.). 12559

AEDES ALBOPICTUS
Syncytia formation of mosquito cell cultures mediated by type 2 dengue virus. 12800

AEDES ATROPALPUS
Monofactorial inheritance of autogeny in Aedes atropalpus. 12569

AEDES POLYNESIENSIS
The transmission of Bancroft filariasis (subperiodic form) in the islands of the South Pacific. 12592

AEDES TAENIORHYNCHUS
New insecticides evaluated as nonthermal aerosols against Aedes taeniorhynchus (Wiedemann). 12590

AEDES VEXANS
An Aedes vexans gynandromorph. 12497

AERIAL SPRAYING
Pest control machinery in Japan. 12932

AFLATOXIN
Aflatoxins: Improved resolution by thin layer chromatography. 12907

AFRICAN OILPALM
Phellinus noxius. 12645

AGAR
Effect of diethylaminoethyl dextran on the growth of Mycoplasma in agar. 12802

AGGLUTINATION
Diagnosis of spirochaetosis of poultry by slide agglutination and spirochaete immobilization tests. 12808

AGING
Toxicity of certain pyrethroids and carbamates to the CS strain of Oncopeltus fasciatus. 12469

House fly response to fluorescent lamps: Influenced by fly age and nutrition, air temperature, and position of lamps. 12515

Maternal age as an ecological factor in the population dynamics of the European corn borer, Ostrinia nubilalis. 12520

Studies on Lipapaphis erysimi (Kalt.) with special reference to insect-plant relationship. III. Effect of age of plants on susceptibility. 12677

AGRICULTURAL RESEARCH
Be alert to pesticide use changes. 12935

AGRIOTES
Laboratory and field tests in 1966--67 on chemical control of wireworms (Agriotes spp.). 12671

AGROSTIS
Some important turf diseases. 12599

Illustration of a turf grass disease study helminthosporium leaf spot of creeping bentgrass. 12616

AGROTIS
Environmental influence on bentgrass treated with silvex. 12712

AGROTIS SEGETUM
Formulation of a semisynthetic nutrient medium and methods of feeding of larvae of Agrotis segetum on it. 12481

AIR POLLUTION
Ethylene-its effect on flower crops. 12885

AIR-BORNE PLANT DISEASES
Dispersal of conidia of Dothidella ulei from Hevea brasiliensis. 12617

Rigidoporus lignosus. 12640

Phellinus robustus. 12641

Rigidoporus zonalis. 12642

Formitopsis rosea. 12643

Rigidoporus ulmarius. 12644

Phellinus noxius. 12645

Isolation of Staphylococcus epidermidis from tobacco. 12647

AIRCRAFT
Evaluation of multi-engine aircraft in the ULV application of dibrom. 12587

ALABAMA
The black flies of Alabama (Diptera: Simuliidae). 12390

ALCOHOLS
Sex pheromone of the eri-silkworm moth, Philosamia cynthia ricini Donovan (Lepidoptera: Saturniidae). 12548

ALDICARB
The influence of UC-21149 and the aphidiid parasite Aphidius smithi on populations of the pea aphid. 12690

ALDRIN
DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults. 12480

Effect of insecticidal sprays on the longevity and fecundity of Eublemma amabilis Moore and Holcocera pulverea Meyr. 12493

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass. 12676

Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

ALFALFA
Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

The pollinating activities of bumble bees and honeybees in relation to temperature, competing forage plants, and competition from other foragers.
12557

The influence of UC-21149 and the aphidiid parasite Aphidius smithi on populations of the pea aphid.
12690

Interaction of EPTC and DNBP on seedlings of alfafa and birdsfoot trefoil.
12727

Effects of two environmental factors on removal of 2,4-DB from forage.
12728

ALFALFA MEAL
Saponins in relation to the control of avocado root rot with alfalfa meal.
12666

ALKALINE PHOSPHATASE
The activity of alkaline phosphatase in the duck intestine during experimental echinostomatosis.
12823

ALKALOIDS
Studies on Claviceps purpurea (Fr.) Tul. parasitic on Phragmites communis Trin..
12627

ALKANOYLOXYPHENOXYALKANAMIDES
N-alkanoyloxyphenoxyalkanamides as herbicides. Patent 3,446,613.
12911

ALLELES
Rare pseudoallelic crossover between two phenotypically identical alleles at a restricted sublocus of dumpy in Drosophila melanogaster.
12573

ALTERNARIA
Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

ALUMINUM PHOSPHIDE
Results of application of aluminum phosphide pellets to rice weevils in an open bin and to angoumois grain moths under air-tight conditions.
12878

AMARANTHUS RETROFLEXUS
Atrazine versus atrazine plus oil.
12719

AMIBEN
Phytotoxicity and movement of amiben derivatives in soil.
12729

Organic matter--amiben interaction on nodulation and growth of soybeans.
12736

Soil moisture and effectiveness of preemergence herbicides.
12743

AMINO COMPOUNDS
Beta-dialkylaminoalkyl ethers and thioethers. Patent 3,446,843.
12912

AMITROLE
Weed control in a winter wheat-fallow rotation.
12711

ANASTREPHA LUDENS
Reduction of sorption in ethylene dibromide fumigation chambers.
12928

ANEMIA
Experimental infection of calves with Fasciola gigantica.
12819

ANIMAL DISEASE TRANSMISSION
On the evidence of infestation ability of ascarid eggs (Ascaris suum Goeze,1782) in strange hosts.
12820

The development of Amidostomum anseris (Zeder, 1800) in the organism of Columba livia domi.
12838

On the specifity of the tapeworm Echinococcus granulosus (Batsch, 1786).
12846

On the host specificity of ascarids of human and pig origin.
12847

On the specificity of the nematode Trichocephalus suis Schrank,1788.
12848

Invasion experiments with trichinella spiralis in fowls.
12851

On the host specificity of parthenogenetic stages of Fasciola hepatica under laboratory conditions.
12866

ANIMAL DISEASES
Transmission of Bancroft filariasis in the Ethiopian region.
12588

On trichinellosis of animals in the North-Eastern USSR.
12747

The effect of hydrochloric acid and gastric juice on some morphological changes of Trichomonas intestinalis.
12771

On the specificity of some species of the suborder Rhabditata.
12830

On the ubiquity of paramphistomaites in the ungulata.
12832

Paratenic parasitism as an indicator of the specificity of the definite host in some trematodes.
12852

Spirurata of animals and humans and their diseases.
12858

Method of preventing influenza viral infections. Patent 3,444,302.
12920

ANIMAL EXTRACTS
Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies.
12501

Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

ANIMAL HISTOLOGY
Chicken embryo lethal orphan virus: Virus localization and histopathology in chicken embryos.
12776

ANIMAL MORPHOLOGY
Pathomorphological and histochemical studies of livers of sheep experimentally infected with the liver fluke.
12856

Metastrongylosis of swine originating from the Lublin Palatinate.
12860

ANIMAL PHYSIOLOGY
Contribution to an improved diagnostic (test) for bovine Cysticercosis.
12756

Allergic symptoms in the clinical picture of echinococcosis.
12815

On the ubiquity of paramphistomaites in the ungulata.
12832

The homeostasis of the host and the development of the parasite.
12854

Effects of dichlobenil on two fishpond environments.
12889

Tetraethylammonium chloride as an antidote for certain insecticides in mice.
12893

ANIMAL VECTORS
Epidemiology of cocksfoot mottle virus.
12664

ANOPHELES
Geographic distribution of Anophcles in the Republic of Congo (Brazzaville).
12332

The Anopheles claviger complex in the Mediterranean subregion.
12346

The age composition of Anopheles melas Theobald (1903) populations collected simultaneously by different methods in the Gambia, West Africa.
12352

Contribution to the study of the distribution of Anopheles in West Africa.
12354

Relationship between the physiological age and the behavior of mosquitoes.
12434

The problem of age determination in Anopheles melas Theo. 1903, by Polovodova's method.
12455

Mosquito control.
12457

Notes on the biology of Anopheles hargreavesi (Evans), 1927, and Anopheles paludis Theobald, 1900, in the south of Yaounde (Cameroon), along the Nyong river.
12508

Transmission of Hamosporidiorida by cave-dwelling Anopheles in the grottos of the Congo.
12577

Entomological studies on the transmission of human malaria in a dense, humid forest zone, Sassandra region, Ivory Coast.
12580

New ecological data on vectors of human malaria in Africa.
12584

The zygotoblast and sporocyst indices in the valley of the Ruzizi.
12593

ANOPHELES CLAVIGER
The Anopheles claviger complex in the Mediterranean subregion.
12346

ANOPHELES FUNESTUS
New ecological data on vectors of human malaria in Africa.
12584

Transmission of Bancroft filariasis in the Ethiopian region.
12588

ANOPHELES GAMBIAE
The occurrence in Madagascar of resistance to dieldrin in the form B of the Anopheles gambiae complex.
12435

Biological observations on the Anophcles gambiae complex. (Abstract).
12438

The causes of male sterility in A. gambiae A-B group crosses. (Abstract).
12568

Direct evidence for the specific distinctness of forms A, B and C of the Anophcles gambiae comples. (Abstract).
12570

New ecological data on vectors of human malaria in Africa.
12584

Transmission of Bancroft filariasis in the Ethiopian region.
12588

ANOPLIUS
Observations on predation by the wasp Anoplius ithaca (Pompilidae) on the wolf spider, Dardosa groenlandica (Lycosidae).
12523

ANOPLURA
Anoplura of rodents and insectivores in the Central African Republic.
12376

ANTHELMINTICS
An effective anthclmintic in treatment of quail infected with Capillaria contorta.
12824

Effectiveness of Maretin and Meldane as treatments for Capillariasis in bobwhites.
12825

Critical trials on the efficacy of thiabendazole against Ostertagia ostertagi, Cooperia oncophora, and Nematodirus helvetianus.
12859

Synthesis and experimental investigation of a new anthelminthic, monopar.
12896

2-tri- (mixed) halomethyl benzimidazoles-Patent 3,448,115.
12916

ANTHERAEA POLYPHEMUS
DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn carworm and polyphemus moth larvae, and house fly adults.
12480

ANTHONOMUS GRANDIS
Influence of temperature and diet on attainment of firm diapause in the boll weevil.
12547

The differential resistance mechanism in female Hampea sp. Trees to the boll weevil.
12903

ANTHRACNOSE
Differential response,of a few improved and local varieties as well as a hybrid line of jute to stem-rot (Macrophomina phaseoli) and anthracnose (Collectotrichum corchori). diseases.
12619

Control of mango anthracnose by fungicides.
12873

ANTHRAMYCIN METHYL ETHER
The chemosterilant effect of anthramycin methyl ether in Drosophila melanogaster.
12410

ANTIBIOTICS
The chemosterilant effect of anthramycin methyl ether in Drosophila melanogaster.
12410

Interaction of nutrients and four antifungal antibiotics in their effects of Pythium species in vitro and in soil.
12910

ANTIBODIES
Diagnosis of classical swine plague and titration of antisera by passive hemagglutination.
12768

Experimentally induced Mycoplasma meleagridis infection of turkey reproductive tracts.
12787

Prenatal immunization of the lamb to Brucella: Dissociation of immunocompetence and reactivity.
12788

Two different type A influenza virus infections in turkeys in Wisconsin II. 1968 outbreak.
12793

Autoimmune reactions of chickens infected by Plasmodium gallinaceum.
12801

Allergic symptoms in the clinical picture of echinococcosis.
12815

The antigen-Antibody reactions in the helminthiases.
12817

ANTICOAGULANTS
Hydroxy coumarins as rodenticide in warehouses.
12882

ANTIDOTES
Tetraethylammonium chloride as an antidote for certain insecticides in mice.
12893

ANTIGENS
Serological specificity of Dictyocaulus viviparus.
12758

Immunochemical studies of foot-and-mouth disease. IV. Preparation and evaluation of antisera specific for virus, virus protein sub-unit and the infection-associated antigen.
12759

Characterization of Mycoplasma pulmanis variants isolated from rabbits. II. Basis for differentiation of antigenic subtypes.
12763

Differences between Brucella antigens involved in indirect hemagglutination tests with normal and thinned red blood cells.
12766

Antigenic relationship of Brucella ovis and Brucella melitensis.
12767

Agar gel and immunoelectrophoretic analysis of several strains of Trypanosoma cruzi.
12772

Antigenic type of first relapse variants arising from a strain of Trypanosoma (Trypanozoon) brucei.
12783

Immunization of chickens against Newcastle disease with beta-propiolactone-killed virus antigen administered in drinking water.
12797

Preparation of Mycoplasma synoviae hemagglutination-inhibition.
12807

Intradermal tests and serological reactions with antigens of Trichinella spiralis in persons infested by different forms of parasites.
12814

The antigen-Antibody reactions in the helminthiases.
12817

On the specificity of the nematode Trichocephalus suis Schrank,1788.
12848

The evaluation of fractionated antigens of Trichinella spiralis in complement fixation and ring precipitation tests.
12867

ANTISERUM
Growth inhibition test for identification of Mycoplasma species utilizing dried antiserum-impregnated paper discs.
12796

APHELINUS
The causes of sexual differences in the size of Aphelinus asychis Walker (Hym., Aphelinidae).
12502

APHIDIDAE
A new species of Megouroparsus (Homoptera: Aphididae) from Northeast India.
12351

Three new aphid species of the subfam. Dactynotinae from the Crimea (Homoptera).
12357

Cannibalism and predation by aphids.
12409

Observations on the biology of Mesidia nigra, a parasite of Iziphya punctata.
12488

The causes of sexual differences in the size of Aphelinus asychis Walker (Hym., Aphelinidae).
12502

The feeding sites in Sonchus oleraceus of Hyperomyzus lactucae, the aphid vector of lettuce necrotic yellows virus.
12635

Entomology.
12688

APHIDIUS SMITHI
The influence of UC-21149 and the aphidiid parasite Aphidius smithi on populations of the pea aphid.
12690

APHIS FABAE
Organophosphorus compounds. VI. -Structure and activity of certain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of certain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related compounds.
12514

The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

APHOLATE
The chemosterilant effect of anthramycin methyl ether in Drosophila melanogaster.
12410

Histopathological and developmental effects of the chemosterilant apholate, on the mosquito Aedes aegypti.
12535

APIS INDICA
Studies on pollen gathering activity of the Indian honey bee Apis indica F. under Delhi conditions.
12415

APIS MELLIFERA
On two mites of economic importance in Japan (Arachnida: Acarina).
12349

The multiplication and spread of sacbrood virus of bees.
12408

The pollinating activities of bumble bees and honeybees in relation to temperature, competing forage plants, and competition from other foragers.
12557

APPLES
Continuous rearing of the apple maggot.
12419

Permeability alterations induced in apple leaves by virulent and avirulent strains of Erwinia amylovora.
12600

Fungicidal activity and chemical constitution. xvi. The use of partition data for an analysis of the activities of alkyldinitrophenol fungicides against apple mildew.
12603

Systemic activity of benzimidazoles as soil drenches against powdery mildew of apple and cherry.
12612

New record of Eubrachis indica Bally (Chrysomelidae: Coleoptera) as a serious pest of apple in Himachal Pradesh.
12668

Superficial scald, a functional disorder of stored apples. IV. - Effect of variety, maturity, oil wraps and diphenylamine on the concentration of alpha-farnesene in the fruit.
12870

Phytotoxicity of dithiocarbamate fungicides on Worcester Pearmain.
12871

AQUATIC PLANTS
Response of sago pondweed to periodic removal of topgrowth.
12735

Effects of dichlobenil on two fishpond environments.
12889

AQUATIC WEEDS
On Phaeotrichoconis crotalariae occurring on Marsilea quadrifoliata in India.
12649

Ecology of submersed aquatic weeds in south Florida canals.
12706

ARBOVIRUSES
A ten year survey of Trinidadian arthropods for natural virus infections (1953-1963).(Abstract).
12403

Cowbone ridge virus, a new Group B arbovirus from south Florida.
12578

Arbovirus studies in south Florida, with emphasis on Venezuelan equine encephalomyelitis virus.
12579

Pahayokee and Shark River, two new arboviruses related to Patois and Zegla from the Florida Everglades.
12582

Gumbo Limbo, a new Group C arbovirus from the Florida Everglades.
12585

ARCHIPS ARGYROSPILUS
Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

ARTHROBOTRYS
Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

ARTHROPOD REARING
Further improvements on the mass rearing of Daphnia magna.
12377

ARTHROPODA
A ten year survey of Trinidadian arthropods for natural virus infections (1953-1963).(Abstract).
12403

Dry preparation of small soft skinned animals particularly arthropods, and of plant parts with dichlormethane-glacial acetic acid-silica gel..
12440

The peritrophic membranes in arthropods, their role in digestion and their intervention in the development of parasitic organisms.
12489

Arthropods in the diet of the cattle egret, Bubulcus ibis, in southern Louisiana.
12812

ASCARIASIS
On the host specificity of ascarids of human and pig origin.
12847

ASCARIS
Round worm infestation in calves.
12842

ASCARIS LUMBRICOIDES SUUM
On the evidence of infestation ability of ascarid eggs (Ascaris suum Goeze,1782) in strange hosts.
12820

ASCOMYCETES
Some black mildew sooty mold and fly speck fungi and their hyperparasites from Dominica.
12594

ASEXUAL REPRODUCTION
Eimeria tenella: Temperature and asexual development in cell culture.
12799

ASILIDAE
On the genitalia of Merodontina sikkimensis Enderl. (Asilidae, Diptera) with a description of a new species of Merodontina Enderl. from India.
12380

ASPERGILLUS
Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

ASPERGILLUS NIGER
Effect of relative humidity and length of storage period upon fungal invasion and germination percentage of bajra seeds.
12869

ATHERIGONA VARIA
Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

ATRAZINE
Weed control in a winter wheat-fallow rotation.
12711

Atrazine versus atrazine plus oil.
12719

Soil moisture and effectiveness of preemergence herbicides.
12743

Foliar and root absorption of atrazine applied postemergence to giant foxtail.
12744

Effect of soil and climate on herbicide dissipation.
12888

ATTAGENUS MEGATOMA
Influence of temperature on the effectiveness of paradichlorobenzene fumigation of black carpet beetle larvae.
12874

ATTRACTANTS
Responses of Ips confusus to synthetic sex pheromones in nature.
12424

Diurnal flight in the larger Dytiscidae (Col) and the attraction of car roofs to Colcoptera in flight.
12428

Studies on the olfactory stimuli guiding the bark beetle Blastophagus piniperda L. (Coleoptera, Scolytidae) to its host tree.
12476

House fly response to fluorescent lamps: Influenced by fly age and nutrition, air temperature, and position of lamps.
12515

AULACOPHORA
Studies on the pH of the digestive tract of Aulacophora foveollis Lucas and Epilachna dodecastigma Wied.
12406

AUTOGENY
Monofactorial inheritance of autogeny in Aedes atropalpus.
12569

AUTORADIOGRAPHY
Translocation and fate of dicamba in purple nutsedge.
12730

AVIAN LYMPHOMATOSIS
Passive transfer of resistance to Marek's disease.
12769

AVIAN TUMOR VIRUS
Enhancement and inhibition of avian sarcoma viruses by polycations and polyanions.
12806

AVOCADOS
Saponins in relation to the control of avocado root rot with alfalfa meal.
12666

AZINPHOSMETHYL
Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672

Summer control of grape--vine scale (Eulecanium persicae (F.)) in the Stanthrope District, Queensland.
12679

Control of grape leaf blister mite (Eriophyes vitis (Pag.)) in the Stanthrope District, Queensland.
12680

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

AZO COMPOUNDS
Arylhydrazono-isoxazolones as fungicides.
12606

BABESIA BIGEMINA
Bovine babesiosis: The immunity of calves to Babesia bigemina infection.
12773

BACILLUS
Trichinella spiralis: Establishment in Gnotobiotic mice affected by Bacillus mesentericus, B. subtilis.
12785

BACILLUS LARVAE
Fatty acids in Bacillus larvae, Bacillus lentimorbus, and Bacillus popilliae.
12474

BACILLUS LENTIMORBUS
Fatty acids in Bacillus larvae, Bacillus lentimorbus, and Bacillus popilliae.
12474

BACILLUS POPILLIAE
Fatty acids in Bacillus larvae, Bacillus lentimorbus, and Bacillus popilliae.
12474

Treatment of corn rootworm larvae and adults with Bacillus thuringiensis and B. popilliae.
12687

BACILLUS SUBTILIS
Trichinella spiralis: Establishment in Gnotobiotic mice affected by Bacillus mesentericus, B. subtilis.
12785

BACILLUS THURINGIENSIS
Laboratory insecticide tests against the Fall webworm.
12429

Biphasic system for separation of spores and crystals of Bacillus thuringiensis.
12456

Treatment of corn rootworm larvae and adults with Bacillus thuringiensis and B. popilliae.
12687

BACTERIA
Bacterium yields new weed killer
12717

BACTERIAL DISEASES (PLANTS)
Bacterial burning of leaves, a new disease in millet in Brazil.
12610

Isolation of Staphylococcus epidermidis from tobacco.
12647

Studies on the bacterial diseases of Sudan crops. VIII. Survival and dissemination of Xanthomonas phaseoli (E.F.Sm.) Dowson.
12657

BACTERICIDES
Product of catalyzing polyurethane formation by means of 2-mercaptobenzothiazoles,thiazoles, oxazoles, imidazoles and imidazolines. Patent 3,446,779.
12914

Process for producing an antifungal and antiprotozoal substance. Patent 3,458,402.
12919

Compositions containing organotin metal carboxylate antimicrobials.
12921

BACTERIOLOGY
Biphasic system for separation of spores and crystals of Bacillus thuringiensis.
12456

Trichinella spiralis: Establishment in Gnotobiotic mice affected by Bacillus mesentericus, B. subtilis.
12785

Growth inhibition test for identification of Mycoplasma species utilizing dried antiserum-impregnated paper discs.
12796

Incidence study of spores of Clostridium botulinum in convenience foods.
12883

BAGS
Influence of temperature on the effectiveness of paradichlorobenzene fumigation of black carpet beetle larvae.
12874

BAITS
An appraisal of adult mosquito trapping techniques used in Nigeria, West Africa.
12534

Fly control in cage layer houses.
12813

Is the meadow vole responsible for reports of an increasing state rat population .
12881

Hydroxy coumarins as rodenticide in warehouses.
12882

BARLEY
A note on barley mosaic in India.
12604

Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
12650

Laboratory and field tests in 1966--67 on chemical control of wireworms (Agriotes spp.).
12671

Studies of cereal nematode populations and cereal yields under continuous or intensive culture.
12699

BATS
Transmission of Hamosporidiorida by cave-dwelling Anopheles in the grottos of the Congo.
12577

BEANS
Incidences of Pythium wilt of snap beans in Colorado.
12637

The control of Sclerotinia sclerotiorum in green beans.
12651

Studies on the bacterial diseases of Sudan crops. VIII. Survival and dissemination of Xanthomonas phaseoli (E.F.Sm.) Dowson.
12657

Persistence of dichlobenil an SD-7961 in soil.
12739

BEE DISEASES
The multiplication and spread of sacbrood virus of bees.
12408

BEMISIA TABACI
Studies on the bacterial diseases of Sudan crops. VIII. Survival and dissemination of Xanthomonas phaseoli (E.F.Sm.) Dowson.
12657

BENEFIN
Leaching of trifluralin, benefin, and nitralin in soil columns.
12703

Weed control in Sericea lespedeza.
12710

BENSULIDE
Weed control in Sericea lespedeza.
12710

BENZAMIDES
Methods of manufacturing 2,6-dichlorobenzamide. Patent 3,444,166 (United States).
12924

BENZENE HEXACHLORIDE
The occurrence in Madagascar of resistance to dieldrin in the form B of the Anopheles gambiae complex.
12435

Laboratory and field tests in 1966--67 on chemical control of wireworms (Agriotes spp.).
12671

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

BENZIMIDAZOLES
Systemic activity of benzimidazoles as soil drenches against powdery mildew of apple and cherry.
12612

Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

2-tri- (mixed) halomethyl benzimidazoles-Patent 3,448,115.
12916

BIO-ELECTRIC POTENTIAL
A nonlinear model for transient responses from light-adapted wolf spider eyes.
12442

BIOCHEMISTRY
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

Relevance of methionine, cysteine, cystine and sulphate in artificial feeding of Neomyzus (Aulacorthum) circumflexus BUCKT. (Aphidae, Homoptera, Insecta).
12447

The isolation of two enzyme-ribonucleic acid complexes involved in the synthesis of foot-and-mouth disease virus ribonucleic acid.
12749

The homeostasis of the host and the development of the parasite.
12854

BIOLOGICAL ASSAY
Laboratory insecticide tests against the Fall webworm.
12429

Presenting results of tests involving biologically active materials.
12431

Failure of laboratory colonies of body lice to develop resistance to malathion.
12437

Toxicity of certain pyrethroids and carbamates to the CS strain of Oncopeltus fasciatus.
12469

Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies.
12501

Compounds related to juvenile hormone. III.
12533

Compounds related to juvenile hormone. II.
12539

Sex pheromone of the eri-silkworm moth, Philosamia cynthia ricini Donovan (Lepidoptera: Staurniidae).
12548

New insecticides evaluated as nonthermal aerosols against Aedes taeniorhynchus (Wiedemann).
12590

Fungicidal activity and chemical constitution. XV. The activity of 4-(1-substituted n-alkyl)-2,6-dinitrophenols.
12601

Fungicidal activity and chemical constitution. xvi. The use of partition data for an analysis of the activities of alkyldinitrophenol fungicides against apple mildew.
12603

Screening for padi blast disease resistance in West Malaysia.
12661

A cucumber bioassay test for the soil residues of certain herbicides.
12718

Leaching of seven s-Triazines.
12737

Laboratory evaluation of malathion as a storage protectant for figs.
12879

Metabolic fate of monuron and diuron in isolated leaf discs.
12909

A laboratory thermal aerosol generator for the testing of insecticidal aerosols.
12929

BIOLOGICAL CONTROL (INSECTS)
Shot-hole borer of tea plant in Japan.
12475

On a new species of Agamermis (Mermithidae) of a bug in Poland.
12525

Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Coleoptera).
12540

Amphibolus venator (Klug) (Hemiptera-Heteroptera)-a predator on insect pests of stored products.
12546

Bionomics of Hellula undalis Fb., the cabbage borer (Pyralidae: Lepidoptera) at Jabalpur.
12683

Treatment of corn rootworm larvae and adults with Bacillus thuringiensis and B. popilliae.
12687

BIOLOGICAL CONTROL (PESTS)
Be alert to pesticide use changes.
12935

BIOLOGICAL CONTROL (PLANT DISEASES)
Saponins in relation to the control of avocado root rot with alfalfa meal.
12666

BIOLOGICAL LABORATORIES
A chemosterilant feeder for insects.
12934

BIOLOGY
Biological aspects of the carrot cyst nematode, Heterodera carotae Jones, 1950.
12701

Basic factors conditioning the specificity of the helminth invasion cycle.
12836

Season dynamics of the infestation cycle of Cysticercus bovis in naturally infested cattle.
12843

The role of phylogeny and ecology of helminth and host in the formation of helminth fauna in animals.
12845

Paratenic parasitism as an indicator of the specificity of the definite host in some trematodes.
12852

On the host specificity of parthenogenetic stages of Fasciola hepatica under laboratory conditions.
12866

BIOTYPES
The influence of the biotopes on helminth specificity.
12831

BIRD RAPE
Studies on Lipapaphis erysimi (Kalt.) with special reference to insect-plant relationship. III. Effect of age of plants on susceptibility.
12677

A note on the compatibility of endrin with parachlorophenoxy acetic acid and boron in relation to mustard aphid infestation.
12685

BIRDS
The regulation of population density in the bark beetle Scolytus scolytus (F.).
12411

Arthropods in the diet of the cattle egret, Bubulcus ibis, in southern Louisiana.
12812

The helminth parasites of Hirundinidae of the neighborhood of Warsaw and Olsztyn.
12837

Paratenic parasitism as an indicator of the specificity of the definite host in some trematodes.
12852

The specificity of helminths from an ecological aspect.
12857

BIRDSFOOT TREFOIL
Interaction of EPTC and DNBP on seedlings of alfafa and birdsfoot trefoil.
12727

BITHIONOL
Experimental fascioliasis in small mammals: Apparent effects of bithionol on Fasciola hepatica in rats.
12826

BLACK END
Yuzuhada, a physiological disorder of oriental pear, and its possible relation to black-end and hard-end of Bartlett.
12656

BLACK RING
Transmission of strains of raspberry ringspot and tomato black ring viruses by Longidorus elongatus (de Man).
12662

BLAST
Screening for padi blast disease resistance in West Malaysia.
12661

BLASTOPHAGUS PINIPERDA
Studies on the olfactory stimuli guiding the bark beetle Blastophagus piniperda L. (Coleoptera, Scolytidae) to its host tree.
12476

BLATTELLA GERMANICA
Red-rose linkage in the German cockroach.
12572

BLIGHT
A blight of Aleppo pine (Pinus halepensis).
12655

BLISTER RUST
Cronartium comandrae in the Rocky Mountain States.
12625

BLOOD
Immunity to parasites.
12863

BLOOD CELLS
Differences between Brucella antigens involved in indirect hemagglutination tests with normal and thinned red blood cells.
12766

BLOOD MEAL
Blood meals and egg production of Culiseta alaskaensis (Ludlow) in captivity (Diptera: Culicidae).
12538

BLOOD PROTEINS
Electrophoretic studies of serum proteins obtained from radiofrequency-treated yellow mealworm larvae.
12473

Serum protein changes in chickens subsequent to infection with Histomonas meleagridis.
12782

BLUEBERRIES
Effect of succinic acid 2,2-dimethylhydrazide on flower bud formation of the 'Coville' highbush blueberry.
12905

BOMBINI
Acarina associated with Michigan Bombinae.
12359

BOMBUS
The pollinating activities of bumble bees and honeybees in relation to temperature, competing forage plants, and competition from other foragers.
12557

BOMBYLIIDAE
A review of the genus Hyperalonia rondani (Bombyliidae, Diptera) from South America.
12375

BONE MEAL
Thermal resistance of Salmonella senftenberg 775W in dry animal feeds.
12780

BORDEAUX MIXTURE
Grey mildew of cotton in Rajasthan.
12628

BORNA DISEASE
Viral encephalitis of equines and domestic ruminants in the Near East. Part II.
12760

BORON
A note on the compatibility of endrin with parachlorophenoxy acetic acid and boron in relation to mustard aphid infestation.
12685

A note on boron toxiccity in young replantings.
12901

BRACON HEBETOR
Bionomics of Hellula undalis Fb., the cabbage borer (Pyralidae: Lepidoptera) at Jabalpur.
12683

BRAHMAEIDAE
The results of my breeding of Acanthobrahmaea europaea Hartig 1963. A contribution to the extent of variation of this species (Lep., Brahmacidae).
12414

BRAIN
The role played by the neurons of the brain in the circadian behavior rhythm of Gryllus domesticus L.
12407

Insect neurometamorphis. IV. Effects of the brain and synthetic alpha-ecdysone upon interganglionic connective shortening in Galleria mellonella (L.) (Lepidoptera).
12516

Spongy changes in the brains of sheep poisoned by excess dietary copper.
12894

BRASSICA
Bionomics of Hellula undalis Fb., the cabbage borer (Pyralidae: Lepidoptera) at Jabalpur.
12683

BREVICORYNE BRASSICAE
How physiological changes in the spring rape influence the distribution density of the cabbage aphid (Brevicoryne brassicae L.).
12552

BREVIPALPUS
On two mites of economic importance in Japan (Arachnida: Acarina).
12349

BROADBEANS
The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

BROMACIL
Control of live oak by herbicides applied at various rates and dates.
12707

A cucumber bioassay test for the soil residues of certain herbicides.
12718

Herbicides - economic tools in railroad vegetation control.
12723

BROMO-2,5-DICHLOROPHENYL) O-METHYLPHENYLPHOSPHONOTHIOATE, O-(4-
Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

BROMUS TECTORUM
Weed control in a winter wheat-fallow rotation.
12711

BROWN ROOT ROT
Phellinus noxius.
12645

BRUCELLA ABORTUS
Differences between Brucella antigens involved in indirect hemagglutination tests with normal and thinned red blood cells.
12766

Prenatal immunization of the lamb to Brucella: Dissociation of immunocompetence and reactivity.
12788

BRUCELLA MELITENSIS
Antigenic relationship of Brucella ovis and Brucella melitensis.
12767

BRUCELLA OVIS
Antigenic relationship of Brucella ovis and Brucella melitensis.
12767

BRUCHUS
The lectotype of Bruchus julianus.
12361

BULBS
The importance of the problems posed by the bulb and stem eelworm, Ditylenchus dipsaci Kuhn, in western France.
12697

BURSAL AGENT (IBA)
Immunity response to the infectious bursal agent.
12809

BUTYL-2-(DIMETHYLAMINO)-4-HYDROXY-6-METHYL PYRIMIDINE, 5-
A new systemic fungicide.
12605

BUTYLPHENOXY)CYCLOHEXYL 2-PROPYNYL SULFITE, 2-(P-TERT
Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

CABBAGE
Effects of 2,4-D and other herbicides on oxidative phosphorylation in mitochondria from cabbage.
12902

CACAO
Rigidoporus lignosus.
12640

CALCIUM
The effect of linuron on 32P and 45Ca uptake in tomato and parsnip.
12724

CALVES
Bovine babesiosis: The immunity of calves to Babesia bigemina infection.
12773

Inhibition of Ostertagia ostertagi at the early fourth larval stage. I. The seasonal incidence.
12816

Experimental infection of calves with Fasciola gigantica.
12819

Round worm infestation in calves.
12842

Studies on immunity of calves to Dictyocaulus viviparus reinfection. V. Serological studies on experimental dictyocaulosis caused by normal and X-ray inactivated larvae.
12861

CAMEROUN
Announcement of a map showing the distribution of Glossina in Eastern Cameroon.
12371

CANACEIDAE
The shore flies of the genus Canaceoides cresson (Diptera: Canaceidae).
12398

CANACEOIDES
The shore flies of the genus Canaceoides cresson (Diptera: Canaceidae).
12398

CANKER
Relation of the time of year to canker initiation by Fusarium solani in sugar maple.
12665

CAPILLARIA
An effective anthelmintic in treatment of quail infected with Capillaria contorta.
12824

Effectiveness of Maretin and Meldane as treatments for Capillariasis in bobwhites.
12825

CAPTAN
Control of mango anthracnose by fungicides.
12873

CARBAMATES
Study of the stability of paper impregnated with oily solutions of OMS 33 (carbamate) and OMS 43 (oranophosphorous compound). Susceptibility of females of various species of African Culicidae to OMS 33 and OMS 43.
12420

Laboratory insecticide tests against the Fall webworm.
12429

The potentiation between thanite and arprocarb in their action on houseflies.
12464

Toxicity of certain pyrethroids and carbamates to the CS strain of Oncopeltus fasciatus.
12469

Promising chemicals for control of adult mosquitoes.
12583

New insecticides evaluated as nonthermal aerosols against Aedes taeniorhynchus (Wiedemann).
12590

Field trials for the control of Stemphylium botryosum f. lycopersici.
12653

Pear Psylla control studies.
12669

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

Control of broomrape in peas and carrot crops.
12733

Propanil and molinate for control of barnyardgrass in water-seeded rice.
12734

Tetraethylammonium chloride as an antidote for certain insecticides in mice.
12893

CARBARYL
Control of grape leaf blister mite (Eriophyes vitis (Pag.)) in the Stanthrope District, Queensland.
12680

Insect control studies on the new hybrid sorghum CSH-I in India.
12691

CARBOFURAN
Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

CARBOHYDRATES
Hymenolepis diminuta: Effect of quality of host dietary carbohydrate on growth.
12829

CARBON
Effect of activated carbon on the phytotoxicity of herbicides in a tropical soil.
12709

CARBON DIOXIDE
Tryptophan is not assimilated in breathing by insects.
12531

CARBON-14
Tryptophan is not assimilated in breathing by insects.
12531

CARBONYL GROUP
Sex pheromone of the eri-silkworm moth, Philosamia cynthia ricini Donovan (Lepidoptera: Staurniidae).
12548

CARPOPHILUS
Bionomics of Carpophilus foveicollis Murr. in pineapple.
12542

CARROTS
Biological aspects of the carrct cyst nematode, Heterodera carotae Jones, 1950.
12701

Control of broomrape in peas and carrot crops.
12733

CATALOGS
Ninth supplement to the catalogue of central European beetles.
12358

CATS
On the specifity of the tapeworm Echinococcus granulosus (Batsch, 1786).
12846

CATTLE
Slaframine: A parasympathomimetric from Rhizoctonia leguminicola.
12750

Contribution to an improved diagnostic (test) for bovine Cysticercosis.
12756

Serological specificity of Dictyocaulus viviparus.
12758

The persistence of Mycoplasma mycoides in the host after vaccination with T1 broth vaccine.
12761

The effect of diet on the incidence of induced ketosis in the lactating dairy cow.
12775

Arthropods in the diet of the cattle egrct, Bubulcus ibis, in southern Louisiana.
12812

Season dynamics of the infestation cycle of Cysticercus bovis in naturally infested cattle.
12843

Relation among liver fluke populations in cattle and the results of coprological examinations.
12849

Critical trials on the efficacy of thiabcndazole against Ostertagia ostertagi, Cooperia oncophora, and Ncmatodirus hclvetianus.
12859

Studies on the control of Galba truncatula in large pastures. II. The effect of snail control on the extensiveness of infection in cattle.
12862

Ecological specificity of intermediate hosts of Thelazia in cattle and the relation of their infective larvae to some unusual hosts.
12864

CELL NUCLEUS
Accessory nuclei and annulate lamellae in hymenopteran oocytes.
12483

CELLS
Observations on the ultrastructure of the spinal cord, spleen and lymph nodes of mice inoculated with scrapie.
12755

Growth curves in pig kidney cells of three porcine adenoviruses.
12774

Attenuation of the hog cholera virus by continuous cell-virus propagation. III. Growth interference of Newcastle disease virus by attenuated hog cholera virus and its application to virus titration and the neutralization test.
12790

CERATITIS CAPITATA
Need for immediate sugar and ability to withstand thirst by newly emerged Oriental fruit flies, and Mediterranean fruit flies untreated or sexually sterilized with gamma radiation.
12478

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

CERATOCYSTIS ULMI
Status of Dutch elm disease in Oklahoma.
12638

CERATOPOGONIDAE
Culicoides mollis Edwards (Diptera: Ceratopogonidae) on Aitutaki Island, Cook islands.
12347

Intersex of Culicoides circumscriptus Kieffer (Ceratopogonidae: Diptera).
12372

Ecological studies on three pond midges (Diptera: Ceratopogonidae) in Quebec.
12433

CESTODA
Raillietina cesticillus: Fatty acid composition.
12751

Lipid metabolism in helminth parasites. VII. Triglyceride synthesis in Hymenolepis diminuta (cestoda).
12821

Hymenolepis diminuta: Effect of quality of host dietary carbohydrate on growth.
12829

On a new cestode, Raillietina (Raillietina) streptopeliae sp. n. from red turtle dove, Streptopelia tranquebarica tranquebarica.
12834

Parasite specificity as the result of ecological parasite-host relations.
12855

CHELATING AGENTS
Arylhydrazono-isoxazolones as fungicides.
12606

CHEMICAL ANALYSIS
Chemical analysis of the scent fluid of Leptoglossus clypeatus.
12495

Trifluralin persistence as affected by depth of soil incorporation.
12738

Raillietina cesticillus: Fatty acid composition.
12751

Plasmodium lophurae: (U-C14)-glucose catabolism by free plasmodia and duckling host erythrocytes.
12792

Colorimetric determination of 2,6-dichlord-4-nitroaniline (dichloran) residues in foods.
12890

Infrared determination of dithianon.
12913

CHEMICAL CONTROL (ANIMAL DISEASES)
Dermatophytes in veterinary practice.
12795

CHEMICAL CONTROL (INSECTS)
Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

Laboratory insecticide tests against the Fall webworm.
12429

The occurrence in Madagascar of resistance to dieldrin in the form B of the Anopheles gambiae complex.
12435

Mosquito control.
12457

The potentiation between thanite and arprocarb in their action on houseflies.
12464

Shot-hole borer of tea plant in Japan.
12475

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Practical implications of insecticide resistance in culicine mosquitoes.
12509

Promising chemicals for control of adult mosquitoes.
12583

Control of adult mosquitoes in Alaska with malathion.
12589

New insecticides evaluated as nonthermal aerosols against Aedes taeniorhynchus (Wiedemann).
12590

Control of Oriental rat flea in Vietnam with diazinon dust.
12591

Pear Psylla control studies.
12669

The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

Laboratory and field tests in 1966--67 on chemical control of wireworms (Agriotes spp.).
12671

Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672

Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

Efficacy of different insecticides against tobacco ground beetles in the field.
12674

CHEMICAL CONTROL (PESTS)

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

Summer control of grape--vine scale (Eulecanium persicae (F.)) in the Stanthrope District, Queensland.
12679

Control of grape leaf blister mite (Eriophyes vitis (Pag.)) in the Stanthrope District, Queensland.
12680

Entomology.
12688

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

Fly control in cage layer houses.
12813

Influence of temperature on the effectiveness of paradichlorobenzene fumigation of black carpet beetle larvae.
12874

Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

Laboratory evaluation of malathion as a storage protectant for figs.
12879

CHEMICAL CONTROL (PESTS)

Insecticidal control of citrus pests in coastal central Queensland.
12684

Bromodifluoronitromethane for the control of insects, fungi and nematodes. Patent 3,445,576.
12917

Ground application of pesticides.
12931

CHEMICAL CONTROL (PLANT DISEASES)

White root disease of Hevea in Africa, especially in the Ivory Coast.
12598

Some important turf diseases.
12599

Fungicidal activity and chemical constitution. XV. The activity of 4-(1-substituted n-alkyl)-2,6-dinitrophenols.
12601

Fungicidal activity and chemical constitution. xvi. The use of partition data for an analysis of the activities of alkyldinitrophenol fungicides against apple mildew.
12603

A new systemic fungicide.
12605

Arylhydrazono-isoxazolones as fungicides.
12606

Fungicides for deciduous top fruit: A survey in 1968.
12622

Protect your maize from head smut.
12624

Grey mildew of cotton in Rajasthan.
12628

Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

The economics of disease control in Hevea.
12646

The control of Sclerotinia sclerotiorum in green beans.
12651

Field trials for the control of Stemphylium botryosum f. lycopersici.
12653

Controlling late blight of potato with some fungicides.
12654

CHEMICAL CONTROL (WEEDS)

Weed control in Sericea lespedeza.
12710

Weed control in a winter wheat-fallow rotation.
12711

Translocation of dicamba in Canada thistle.
12713

Weed control research '47-'67.
12714

Bacterium yields new weed killer.
12717

Atrazine versus atrazine plus oil.
12719

Winged elm control with picloram and 2,4,5-T with and without additives.
12720

Herbicides - economic tools in railroad vegetation control.
12723

Incorporation of dychlobenil in mulches.
12726

Interaction of EPTC and DNBP on seedlings of alfafa and birdsfoot trefoil.
12727

Phytotoxicity and movement of amiben derivatives in soil.
12729

Control of broomrape in peas and carrot crops.
12733

Propanil and molinate for control of barnyardgrass in water-seeded rice.
12734

Response of sago pondweed to periodic removal of topgrowth.
12735

Weed control in turf.
12740

Response of oak and red maple to herbicides applied with an injector.
12742

Soil moisture and effectiveness of preemergence herbicides.
12743

Compatibility of chemical and mechanical weed control methods.
12746

Effects of dichlobenil on two fishpond environments.
12889

Compositions containing organotin metal carboxylate antimicrobials.
12921

CHEMICAL REACTIONS

Organophosphorus compounds. VI. -Structure and activity of certain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of certain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related compounds.
12514

CHEMICAL STRUCTURE

Compounds related to juvenile hormone. III.
12533

Compounds related to juvenile hormone. II.
12539

A new systemic fungicide.
12605

Arylhydrazono-isoxazolones as fungicides.
12606

CHEMICALS

Presenting results of tests involving biologically active materials.
12431

CHEMISTRY

Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies.
12501

CHEMOSTERILANTS

The chemosterilant effect of anthramycin methyl ether in Drosophila melanogaster.
12410

Shot-hole borer of tea plant in Japan.
12475

Laboratory studies of the mating habits of the face fly.
12482

Metepa as a chemosterilant for adult female pink bollworms.
12507

Histopathological and developmental effects of the chemosterilant apholate, on the mosquito Aedes aegypti.
12535

A chemosterilant feeder for insects.
12934

CHERRIES

Systemic activity of benzimidazoles as soil drenches against powdery mildew of apple and cherry.
12612

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

CHICK EMBRYOS

Susceptibility of various strains of chicken to the oncogenicity of Yaba virus.
12798

CHICKEN EMBRYO LETHAL ORPHAN VIRUS

Chicken embryo lethal orphan virus: Virus localization and histopathology in chicken embryos.
12776

CHICKENS

Raillietina cesticillus: Fatty acid composition.
12751

Passive transfer of resistance to Marek's disease.
12769

Chicken embryo lethal orphan virus: Virus localization and histopathology in chicken embryos.
12776

Titration of infectious bronchitis virus in tracheas of susceptible and immune chickens.
12777

Serum protein changes in chickens subsequent to infection with Histomonas meleagridis.
12782

Severe coccidiosis in a breeder flock following high-level medication for Mycoplasma and coccidia control.
12786

Observations of systemic and localized infection associated with the isolation of staphylococcus in chickens in North Carolina.
12789

Salmonella infections of the ovary and peritoneum of chickens.
12794

Immunization of chickens against Newcastle disease with beta-propiolactone-killed virus antigen administered in drinking water.
12797

Autoimmune reactions of chickens infected by Plasmodium gallinaceum.
12801

Chicken-embryo-adapted duck hepatitis virus growth curve in embryonated chicken eggs.
12805

Immunity response to the infectious bursal agent.
12809

Plasmodium gallinaceum: Chicken erythrocyte survival as determined by sodium radiochromate and Di-isopropylfluorophosphate labeling.
12810

Serological and biological study on the toxoplasmic infection in chickens from the vicinity of Rome.
12811

Invasion experiments with trichinella spiralis in fowls.
12851

CHICKS

Enhancement and inhibition of avian sarcoma viruses by polycations and polyanions.
12806

CHILO ZONELLUS

Effect of late infestation of the stem borer Chilo zonellus Swin. on the yield of sorghum grains.
12675

Interrelation of stem borer incidence and certain agronomic traits in Jaunpur variety of maize under different levels of nitrogen.
12686

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

CHIRONOMUS TENTANS
Proteolytic enzymes in the salivary gland of Chironomus tentans.
12524

CHLORAMPHENICOL
On the focus of trichinellosis of swine with epidemiologic implications.
12822

CHLORDANE
Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

CHLORFENVINPHOS
Analysis of crops and soils for residues of chlorfenvinphos insecticide and its breakdown products.
12887

CHLORINATED HYDROCARBONS
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

The metabolism of dihydrochlordene and related compounds by housefly (M. domestica L.) and pig liver microsomes.
12423

Laboratory insecticide tests against the Fall webworm.
12429

The occurrence in Madagascar of resistance to dieldrin in the form B of the Anopheles gambiae complex.
12435

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

Effect of insecticidal sprays on the longevity and fecundity of Eublemma amabilis Moore and Holcocera pulverea Meyr.
12493

Practical implications of insecticide resistance in culicine mosquitoes.
12509

Resistance to dieldrin of Culex pipiens fatigans in the city of Bobo-Dioulasso (Upper Volta). Methods of study and genetic determinism.
12563

Control of Oriental rat flea in Vietnam with diazinon dust.
12591

Some important turf diseases.
12599

Pear Psylla control studies.
12669

Laboratory and field tests in 1966--67 on chemical control of wireworms (Agriotes spp.).
12671

Efficacy of different insecticides against tobacco ground beetles in the field.
12674

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

A note on the compatibility of endrin with parachlorophenoxy acetic acid and boron in relation to mustard aphid infestation.
12685

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

Dimer of 2,2,3,4,5,6-hexachlorocyclohexadienone. Patent 3,444,207.
12915

Be alert to pesticide use changes.
12935

CHLORO-N-ISOPROPYLACETANILIDE, 2-
Soil moisture and effectiveness of preemergence herbicides.
12743

CHLOROETHYL)TRIMETHYLAMMONIUM CHLORIDE, (2-
Plant resistance to Myzus persicae induced by a plant regulator and measured by aphid relative growth rate.
12693

CHLORTETRACYCLINE
Severe coccidiosis in a breeder flock following high-level medication for Mycoplasma and coccidia control.
12786

Interaction of nutrients and four antifungal antibiotics in their effects of Pythium species in vitro and in soil.
12910

CHOLESTEROL
Lipids in the haemolymph of the cricket, Acheta domesticus.
12551

CHORISTONEURA FUMIFERANA
A study of insects attacking Douglas-fir cones in eastern Montana and Yellowstone National Park, 1967.
12444

CHROMATOGRAPHY
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

Fatty acids in Bacillus larvae, Bacillus lentimorbus, and Bacillus popilliae.
12474

Purification of the male factor increasing egg deposition in D. melanogaster.
12490

Translocation and fate of dicamba in purple nutsedge.
12730

Metabolism of pyrazon in sugar beets and soil.
12741

Identification of ethylene in gibberellic-acid-treated potatoes.
12904

Aflatoxins: Improved resolution by thin layer chromatography.
12907

CHROMOSOMES
DNA synthesis in the gaint salivary chromosomes of Drosophila virilis proir to pupation.
12513

The causes of male sterility in A. gambiae A-B group crosses. (Abstract).
12568

Direct evidence for the specific distinctness of forms A, B and C of the Anopheles gambiae complex. (Abstract).
12570

Red-rose linkage in the German cockroach.
12572

Karyoecology of simulids (Diptera, Simuliidae). Genome structure of karyopool in Odagmia ornata Mg. with accessory chromosomes.
12574

Tobacco mosaic virus in dividing mesophyll cells of Nicotiana.
12607

CHRYSANTHEMUMIC ACID
Novel process for the preparation of transchrysanthemumic acid. Patent 3,445,499.
12922

CHRYSOMELIDAE
Contribution to the knowledge of the genus Epithrix Foudr. (Coleoptera, Chrysomelidae, Halticinae).
12370

New record of Eubrachis indica Bally (Chrysomelidae: Coleoptera) as a serious pest of apple in Himachal Pradesh.
12668

CICADELLIDAE
Two new Malayan species of the genus Nephotettix (Hemiptera: Cicadellidae).
12360

CIMEX LECTULARIUS
Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

CIRCULATORY SYSTEM
Hydroxy coumarins as rodenticide in warehouses.
12882

CIRSIUM ARVENSE
Translocation of dicamba in Canada thistle.
12713

CISIDAE
Cisidae study IV.
12365

CITRUS
Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

Insecticidal control of citrus pests in coastal central Queensland.
12684

About the specificity of Tylenchulus semipenetrans Cobb (Nematoda; Tylenchida) to several species of citrus roots.
12700

Observations on meadow nematodes (Pratylenchus spp.) and their relation to declines of citrus in Florida.
12702

Influence of temperature on Botryodiplodia rot of citrus and sapodilla.
12872

Reduction of sorption in ethylene dibromide fumigation chambers.
12928

CLAVICEPS PURPUREA
Studies on Claviceps purpurea (Fr.) Tul. parasitic on Phragmites communis Trin..
12627

CLIMATE
Effect of soil and climate on herbicide dissipation.
12888

CLONES
Antigenic type of first relapse variants arising from a strain of Trypanosoma (Trypanozoon) brucei.
12783

CLONORCHIS
Relation among liver fluke populations in cattle and the results of coprological examinations.
12849

CLOSTRIDIUM BOTULINUM
Incidence study of spores of Clostridium botulinum in convenience foods.
12883

CLOSTRIDIUM PERFRINGENS
Local and regional application of hydrogen peroxide in the control of clostridial myositis in rabbits.
12770

CNEPHIA
The black flies of Alabama (Diptera: Simuliidae).
12390

COBALT ISOTOPES
Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

COCCIDIOSIS
Severe coccidiosis in a breeder flock following high-level medication for Mycoplasma and coccidia control.
12786

COCCINELLIDAE
Studies on Nephus regularis (Coleoptera: Coccinellidae) as a predator of the striped mealybug in Madhya Pradesh (India).
12521

COCCOIDEA
Summer control of grape--vine scale (Eulecanium persicae (F.)) in the Stanthrope District, Queensland.
12679

Insecticidal control of citrus pests in coastal central Queensland.
12684

COCHLIOMYIA HOMINIVORAX
Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies.
12501

COCONUTS
Rigidoporus lignosus.
12640

COFFEE
The effect of fungicidal treatments on sporulating capacity in relation to the control of coffee berry disease.
12633

Seasonal variations in the sporulating capacity of the fungus causing coffee berry disease.
12634

A survey of the coffee tree nematode, Meloidogyne coffeicola, in the State of Sao Paulo.
12698

COLD STORAGE
Lypolysis of triglyeerides during cold storage of eggs of corn rootworms.
12459

COLEOPTERA
Ninth supplement to the catalogue of central European beetles.
12358

COLIAS
Morphological study on the instars of the alfalfa caterpillar , Colias lesbia (F.) (Lep., Pieridae).
12441

COLIAS EURYTHEME
Morphological study on the instars of the alfalfa caterpillar , Colias lesbia (F.) (Lep., Pieridae).
12441

COLLETOTRICHUM
Differential response,of a few improved and local varieties as well as a hybrid line of jute to stem-rot (Macrophomina phaseoli) and anthracnose (Collectotrichum corchori). diseases.
12619

Corn stalk rot fungi in North Carolina.
12626

Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

COLLETOTRICHUM COFFEANUM
The effect of fungicidal treatments on sporulating capacity in relation to the control of coffee berry disease.
12633

Seasonal variations in the sporulating capacity of the fungus causing coffee berry disease.
12634

COLLETOTRICHUM GLOEOSPORIOIDES
Control of mango anthracnose by fungicides.
12873

COLOR
Factors influencing Aedes aegypti occurrence in containers.
12418

COLORIMETRY
Colorimetric determination of 2,6-dichlord-4-nitroaniline (dichloran) residues in foods.
12890

COMPETITION
Effect of time of giant foxtail removal from corn and soybeans.
12725

COMPLEMENT FIXATION
Growth curves in pig kidney cells of three porcine adenoviruses.
12774

The evaluation of fractionated antigens of Trichinella spiralis in complement fixation and ring precipitation tests.
12867

CONIFERAE
Formitopsis rosea.
12643

CONSTRUCTION MATERIALS
Reduction of sorption in ethylene dibromide fumigation chambers.
12928

CONTAINERS
Factors influencing Aedes aegypti occurrence in containers.
12418

Larval development of Aedes aegypti (L.) in used auto tires.
12477

CONTARINIA SORGHICOLA
Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

CONTARINIA WASHINGTONENSIS
A study of insects attacking Douglas-fir cones in eastern Montana and Yellowstone National Park, 1967.
12444

COOPERIA ONCOPHORA
Critical trials on the efficacy of thiabendazole against Ostertagia ostertagi, Cooperia oncophora, and Nematodirus helvetianus.
12859

COPPER
Fly control in cage layer houses.
12813

Spongy changes in the brains of sheep poisoned by excess dietary copper.
12894

COPPER OXYCHLORIDE
Grey mildew of cotton in Rajasthan.
12628

Control of mango anthracnose by fungicides.
12873

COPPER SULFATE
Studies on the control of Galba truncatula in large pastures. II. The effect of snail control on the extensiveness of infection in cattle.
12862

COREIDAE
Chemical analysis of the scent fluid of Leptoglossus clypeatus.
12495

CORN
Conversion of results of concentrated samples to density estimates of egg and larval populations of the Northern corn rootworm.
12345

Competition and survival among the corn earworm, the tobacco budworm, and the Fall armyworm.
12555

Vector-induced modifications in a plant virus.
12614

Protect your maize from head smut.
12624

Corn stalk rot fungi in North Carolina.
12626

Relation between the beta-glucosidases and fungus infection in corn.
12630

Pathological histology of corn and sorghum plants infected with maize dwarf mosaic virus and Sclerospora sorghi.
12632

Interrelation of stem borer incidence and certain agronomic traits in Jaunpur variety of maize under different levels of nitrogen.
12686

Treatment of corn rootworm larvae and adults with Bacillus thuringiensis and B. popilliae.
12687

Atrazine versus atrazine plus oil.
12719

Gross morphological and cytological effects of nitralin on corn roots.
12721

Effect of time of giant foxtail removal from corn and soybeans.
12725

Phytotoxicity and movement of amiben derivatives in soil.
12729

The effect of linuron on ion uptake in corn, soybean, and crabgrass.
12732

CORTICOTROPIN
The homeostasis of the host and the development of the parasite.
12854

COSTS
Control of Oriental rat flea in Vietnam with diazinon dust.
12591

COTTON
Grey mildew of cotton in Rajasthan.
12628

COUMARIN
Hydroxy coumarins as rodenticide in warehouses.
12882

COWPEAS
An electron microscopy study of the penetration of tobacco mosaic virus into leaves following experimental inoculation.
12611

CRONARTIUM COMANDRAE
Cronartium comandrae in the Rocky Mountain States.
12625

CROP LOSSES
Losses from fusarium stem rot caused by Fusarium roseum, in commercial production of cuttings of carnation, Dianthus caryophyllus.
12618

The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672

Effect of late infestation of the stem borer Chilo zonellus Swin. on the yield of sorghum grains.
12675

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

Assessment of the damage caused to potatoes by potatoes cyst eelworm, Heterodera rostochiensis Woll..
12696

Effect of time of giant foxtail removal from corn and soybeans.
12725

Phytotoxicity of dithiocarbamate fungicides on Worcester Pearmain.
12871

CROP ROTATION
Studies of cereal nematode populations and cereal yields under continuous or intensive culture.
12699

Weed control in a winter wheat-fallow rotation.
12711

CROP VARIETIES
Black tipped wheat kernels in the indigenously grown Mexican varieties of wheat.
12596

Differential response,of a few improved and local varieties as well as a hybrid line of jute to stem-rot (Macrophomina phaseoli) and anthracnose (Collectotrichum corchori). diseases.
12619

Yuzuhada, a physiological disorder of oriental pear, and its possible relation to black-end and hard-end of Bartlett.
12656

Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672

Superficial scald, a functional disorder of stored apples. IV. - Effect of variety, maturity, oil wraps and diphenylamine on the concentration of alpha-farnesene in the fruit.
12870

Effect of succinic acid 2,2-dimethylhydrazide on flower bud formation of the 'Coville' highbush blueberry.
12905

CROP YIELDS
Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672

Effect of late infestation of the stem borer Chilo zonellus Swin. on the yield of sorghum grains.
12675

CUCUMBERS
Virus particles in phloem exudate from Cucumis sativus L. after infection by Cucumis Virus 2 A.
12623

Effect of activated carbon on the phytotoxicity of herbicides in a tropical soil.
12709

A cucumber bioassay test for the soil residues of certain herbicides.
12718

Leaching of seven s-Triazines.
12737

CUCURBITA
Maintenance of Fusarium solani f. cucurbitae Snyder and Hansen in gourds.
12602

CUCURBITS
A new systemic fungicide.
12605

CULEX
Contribution to the study of the Culex of the Ethiopian region belonging to the sub-genus Mochthogenes (Diptera, Culicidae), with a description of the males of five new species.
12342

Contribution to the study of the Culicidae of the Ethiopian region. Description of Culex (Barraudius) richeti n. sp. Supplemental notes on Culex (B) pusillus Macquart and Culex (B.) modestus Ficalbi.
12343

Contribution to the study of the Culicidae of Madagascar. Description of larvae and nymphs of Culex (C.) giganteus Ventrillon and Culex (C.) argenteopunctatus argenteopunctatus Ventrillon. Comparative notes on the adults of the two species.
12425

Notes on the biology of Culex territans Walker.
12496

Practical implications of insecticide resistance in culicine mosquitoes.
12509

Resistance to dieldrin of Culex pipiens fatigans in the city of Bobo-Dioulasso (Upper Volta). Methods of study and genetic determinism.
12563

CULEX PIPIENS
Occurrence of Culex pipiens quinquefasciatus Say in Nevada.
12344

Incompatibility tests in the Culex pipiens complex. Part I. African strains. Part II. Egyptian strains.
12566

CULEX PIPIENS QUINQUEFASCIATUS
On the effect of mating and nutrition on the reproduction of Culex pipiens fatigans Wiedemann.
12487

Intercurrent resting, a neglected aspect of mosquito behavior. (Abstract).
12494

Transmission of Bancroft filariasis in the Ethiopian region.
12588

CULEX TRITAENIORHYNCHUS
Gynandromorphism in Culex tritaeniorhynchus.
12405

CULICIDAE
Contribution to the study of the Culicidae of the Ethiopian region. Description of Culex (Barraudius) richeti n. sp. Supplemental notes on Culex (B) pusillus Macquart and Culex (B.) modestus Ficalbi.
12343

Notes on the subject of South American Culicidae. the distribution of the genus Haemagogus Williston, 1896, in South America.
12366

Taxonomic review, ecological and biological aspects of Diptera (Culicidae) living in the forest of Manera (Province of Kaffa) Ethiopia.
12373

Remarks on the taxonomy of mosquitoes.
12391

Study of the stability of paper impregnated with oily solutions of OMS 33 (carbamate) and OMS 43 (oranophosphorous compound). Susceptibility of females of various species of African Culicidae to OMS 33 and OMS 43.
12420

Relationship between the physiological age and the behavior of mosquitoes.
12434

Description of the male, the larva and the nymph of Ficalbia (Etorleptiomyia) xanthozona van Someren, 1948 (Diptera, Culicidae).
12450

Mosquito control.
12457

Ecology of the mosquitoes in artificially irrigated meadows of Southern Moravia.
12503

An appraisal of adult mosquito trapping techniques used in Nigeria, West Africa.
12534

Arbovirus studies in south Florida, with emphasis on Venezuelan equine encephalomyelitis virus.
12579

Pahayokee and Shark River, two new arboviruses related to Patois and Zegla from the Florida Everglades.
12582

Gumbo Limbo, a new Group C arbovirus from the Florida Everglades.
12585

The transmission of Bancroft filariasis (subperiodic form) in the islands of the South Pacific.
12592

CULICOIDES
Culicoides mollis Edwards (Diptera: Ceratopogonidae) on Aitutaki Island, Cook islands.
12347

Intersex of Culicoides circumscriptus Kieffer (Ceratopogonidae: Diptera).
12372

CULISETA
Blood meals and egg production of Culiseta alaskaensis (Ludlow) in captivity (Diptera: Culicidae).
12538

CULTURAL CONTROL (PLANT DISEASES)
White root disease of Hevea in Africa, especially in the Ivory Coast.
12598

Protect your maize from head smut.
12624

Organic manuring for potato scab control and its relation to soil manganese.
12652

CULTURAL CONTROL (WEEDS)
Compatibility of chemical and mechanical weed control methods.
12746

CULTURE MEDIA
Egg-yolk and olive juice as supplements to the yeast hydrolyzate-sucrose diet for adults of Dacus oleae.
12446

Maintenance of Fusarium solani f. cucurbitae Snyder and Hansen in gourds.
12602

Isolation of Staphylococcus epidermidis from tobacco.
12647

Slaframine: A parasympathomimetric from Rhizoctonia leguminicola.
12750

Growth of pathogenic Leptospira in chemically defined media.
12791

Effect of diethylaminoethyl dextran on the growth of Mycoplasma in agar.
12802

Investigation into the culturing of Salmonella and Shigella organisms from milk and milk product mediums of enrichment procedures. I. The inhibitory activity of the enrichment substrate on the milk organisms.
12884

CURCULIO CARYAE
A simplified trap for collecting adult pecan weevils.
12379

CURCULIONIDAE
Several new sucking-insect species and subspecies from the Palearctic region. (196. Contribution to the knowledge of the Curculionidae).
12395

Studies on the alimentary canal of Odoiporus longicollis. I. Morphology.
12537

CYCLOHEXIMIDE
Interaction of nutrients and four antifungal antibiotics in their effects of Pythium species in vitro and in soil.
12910

CYPERUS ROTUNDUS
Translocation and fate of dicamba in purple nutsedge.
12730

Effects of maleic hydrazide in purple nutsedge (Cyperus rotundus L.).
12898

CYSTATHIONINE
Bacterium yields new weed killer.
12717

CYSTEINE
Relevance of methionine, cysteine, cystine and sulphate in artificial feeding of Neomyzus (Aulacorthum) circumflexus BUCKT. (Aphidae, Homoptera, Insecta).
12447

CYSTICERCUS BOVIS
Contribution to an improved diagnostic (test) for bovine Cysticercosis.
12756

Season dynamics of the infestation cycle of Cysticercus bovis in naturally infested cattle.
12843

CYSTINE
Relevance of methionine, cystcinc, cystine and sulphate in artificial feeding of Neomyzus (Aulacorthum) circumflexus BUCKT. (Aphidae, Homoptera, Insecta).
12447

CYSTS
On the specifity of the tapeworm Echinococcus granulosus (Batsch, 1786).
12846

CYTOGENETICS
Tetraploid females in Mormoniella.
12567

CYTOLOGY
Uncoupling of DNA and histone synthesis prior to prophase I of mciosis in the cricket Grillus (Acheta) domesticus L.
12417

Cell lineage, growth, and determination in the imaginal leg discs of Drosophila mclanogastcr.
12427

The sarcoplasmic reticulum and its association with the T system in an insect.
12460

A comparative study on the fine structure of the basalar muscle of the wing and the tibial extensor muscle of the leg of the lepidopteran Achalarus lyciades.
12522

Tobacco mosaic virus in dividing mesophyll cells of Nicotiana.
12607

Observations on the ultrastructure of the spinal cord, spleen and lymph nodes of mice inoculated with scrapie.
12755

Echinococcus granulosus: Ultrastructure of microtriches.
12839

CYTOPATHOLOGY
Syncytia formation of mosquito cell cultures mediated by type 2 dengue virus.
12800

CYZENIS ALBICANS
A study of the mortality factors acting upon Cyzenis albicans (Fall.), a tachinid parasite of the winter moth (Operophtera Brumata (L.)).
12462

D, 2,4-
Effect of simulated rainfall on herbicide performance.
12708

Herbicides - cconomic tools in railroad vegctation control.
12723

Woody plant shoot management and rcsponse to herbicidal treatment.
12745

DACTYLIS GLOMERATA
Epidemiology of cocksfoot mottle virus.
12664

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

DACUS
Note on brceding of fruit flies Dacus ciliatus Loew and D. cucurbithe Coquillett in stem galls of Coccinia indica W. and A.
12413

DACUS CUCURBITAE
Note on brceding of fruit flies Dacus ciliatus Loew and D. cucurbithe Coquillctt in stem galls of Coccinia indica W. and A.
12413

Longcvity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

DACUS DORSALIS
Need for immediate sugar and ability to withstand thirst by newly emerged Oriental fruit flies, and Mediterrancan fruit flies untreated or sexually sterilized with gamma radiation.
12478

Longcvity, rcsistance to dcprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flics, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

DACUS OLEAE
Egg-yolk and olivc juice as supplements to the ycast hydrolyzatc-sucrosc dict for adults of Dacus oleae.
12446

DACUS TRYONI
The exploitation and conservation of resources by populations of insects.
12498

DAIRY CATTLE
The effect of dict on the incidence of induced ketosis in thc lactating dairy cow.
12775

DAIRY EQUIPMENT
Electrophoretic studies of serum proteins obtained from radiofrequency-treated yellow mealworm larvae.
12473

Ground application of pesticides.
12931

Pest control machinery in Japan.
12932

Conversion of a therapy X-ray unit for insect irradiations.
12933

A chemosterilant feeder for insects.
12934

DAPHNIA MAGNA
Further improvements on the mass rearing of Daphnia magna.
12377

DDT
Laboratory insecticide tests against the Fall webworm.
12429

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Control of Oriental rat flea in Vietnam with diazinon dust.
12591

The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

Insect control studies on thc new hybrid sorghum CSH-1 in India.
12691

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

A device for the drip application of insecticide concentrates.
12930

Be alert to pcsticide use changes.
12935

DDT-DEHYDROCHLORINASE
DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

DECOMPOSITION
Metabolism of pyrazon in sugar bects and soil.
12741

DEET
Isolation of N, N-diethyl-m-toluamidc (dcet) from female pink bollworm moths.
12471

DEFICIENCY DISEASES
The effect of diet on the incidence of induced ketosis in the lactating dairy cow.
12775

DEGRADATION
Photochcmical degradation of diquat.
12925

DEHYDROGENASES
The hymenopterous poison gland: Probablc functions of the main glandular elements.
12416

DELPHACIDAE
Vector-induced modifications in a plant virus.
12614

DEOXYRIBONUCLEIC ACID
Uncoupling of DNA and histone synthesis prior to prophase I of meiosis in the cricket Grillus (Acheta) domesticus L.
12417

DNA synthesis in the gaint salivary chromosomes of Drosophila virilis proir to pupation.
12513

Effect of gibberellin A3 on concentration of DNA, RNA, and protein in pea plant (Pisum sativum L.).
12906

DERMACENTOR
Epidemic rolc of ticks of thc genera Dermacentor and Ixodes persulcatus P. Sch. in mountain foci of tick-borne encephalitis depending upon activity of their attacks on man.
12581

DERMESTES MACULATUS
Experimental transmission of Enterobacteriaceae by insects. I. Fate of Salmonella fed to the hide beetle Dermestes maculatus and a novel method for mounting insects.
12472

DEUTEROMYCETES
Some black mildew sooty mold and fly speck fungi and their hyperparasites from Dominica.
12594

DEVELOPMENT
Experiments on selection for developmental rate in Drosophila melanogaster.
12576

DIABROTICA
Treatment of corn rootworm larvae and adults with Bacillus thuringiensis and B. popilliae.
12687

DIABROTICA LONGICORNIS
Conversion of results of concentrated samples to density estimates of egg and larval populations of the Northern corn rootworm.
12345

Effect of winter precipitation and temperature on overwintering eggs of Northern and Western corn rootworms.
12432

DIABROTICA UNDECIMPUNCTATA HOWARDI
Lypolysis of triglyeerides during cold storage of eggs of corn rootworms.
12459

DIABROTICA VIRGIFERA
Conversion of results of concentrated samples to density estimates of egg and larval populations of the Northern corn rootworm.
12345

Effect of winter precipitation and temperature on overwintering eggs of Northern and Western corn rootworms.
12432

Lypolysis of triglyeerides during cold storage of eggs of corn rootworms.
12459

DIAGNOSIS
Illustration of a turf grass disease study helminthosporium leaf spot of creeping bentgrass.
12616

The importance of the problems posed by the bulb and stem eelworm, Ditylenchus dipsaci Kuhn, in western France.
12697

Contribution to an improved diagnostic (test) for bovine Cysticercosis.
12756

Intracellular avian infectious bronchitis virus: Detection by fluorescent antibody techniques in nonavian kidney cell cultures.
12757

Observations of systemic and localized infection associated with the isolation of staphylococcus in chickens in North Carolina.
12789

Diagnosis of spirochaetosis of poultry by slide agglutination and spirochaete immobilization tests.
12808

Intradermal tests and serological reactions with antigens of Trichinella spiralis in persons infested by different forms of parasites.
12814

Allergic symptoms in the clinical picture of echinococcosis.
12815

Experimental infection of calves with Fasciola gigantica.
12819

Spirurata of animals and humans and their diseases.
12858

Fascioliasis of ruminants in Japan.
12865

DIANTHUS CARYOPHYLLUS
Losses from fusarium stem rot caused by Fusarium roseum. in commercial production of cuttings of carnation, Dianthus caryophyllus.
12618

DIASPIDIDAE
The armored scale insects of Texas (Homoptera: Coccoidea: Diaspididae).
12368

DIATRAEA SACCHARALIS
Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672

DIAZINON
Control of Oriental rat flea in Vietnam with diazinon dust.
12591

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

DIBUTYL PHTHALATE
Effects of 2,4,5-T and dibutyl phthalate on bloodwood (Eucalyptus dichromophloia).
12705

DICAMBA
Translocation of dicamba in Canada thistle.
12713

A cucumber bioassay test for the soil residues of certain herbicides.
12718

Translocation and fate of dicamba in purple nutsedge.
12730

Response of oak and red maple to herbicides applied with an injector.
12742

DICHLOBENIL
Incorporation of dychlobenil in mulches.
12726

Persistence of dichlobenil an SD-7961 in soil.
12739

Effects of dichlobenil on two fishpond environments.
12889

Methods of manufacturing 2,6-dichlorobenzamide. Patent 3,444,166 (United States).
12924

DICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHYLENE, 1,1-
DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

DICHLORO-4-NITROANILINE, 2,6-
The control of Sclerotinia sclerotiorum in green beans.
12651

Colorimetric determination of 2,6-dichlord-4-nitroaniline (dichloran) residues in foods.
12890

DICHLORO-6-(O-CHLOROANILINO)-S-TRIAZINE
Field trials for the control of Stemphylium botryosum f. lycopersici.
12653

DICHLOROPHENOXY) BUTYRIC ACID, 4-(2,4-
Effects of two environmental factors on removal of 2,4-DB from forage.
12728

DICHLOROPHENYL O-METHYL ISOPROPYLPHOSPHORAMIDOTHIOATE, O-2 ,4
Plant growth regulator activity of optical isomers of DMPA.
12900

Fly control in cage layer houses.
12813

DICHLOROPROPANE DICHLOROPROPENE MIXTURE
Meloidogyne naasi on sorghum in Kansas.
12695

DICHLOROPROPENE, 1,3-
Meloidogyne naasi on sorghum in Kansas.
12695

DICHLOROTHIOBENZAMIDE, 2,6-
Persistence of dichlobenil an SD-7961 in soil.
12739

DICHLORVOS
Deformation of puparia of the housefly (Musca domestica L.) on treatment with organophosphorus insectisides.
12541

DICROCOELIUM
Relation among liver fluke populations in cattle and the results of coprological examinations.
12849

DICTYOCAULUS VIVIPARUS
Serological specificity of Dictyocaulus viviparus.
12758

Studies on immunity of calves to Dictyocaulus viviparus reinfection. V. Serological studies on experimental dictyocaulosis caused by normal and X-ray inactivated larvae.
12861

DIEBACK (ULMUS)
Status of Dutch elm disease in Oklahoma.
12638

DIELDRIN
The occurrence in Madagascar of resistance to dieldrin in the form B of the Anopheles gambiae complex.
12435

DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

Effect of insecticidal sprays on the longevity and fecundity of Eublemma amabilis Moore and Holcocera pulverea Meyr.
12493

Resistance to dieldrin of Culex pipiens fatigans in the city of Bobo-Dioulasso (Upper Volta). Methods of study and genetic determinism.
12563

Efficacy of different insecticides against tobacco ground beetles in the field.
12674

Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

DIET
Formulation of a semisynthetic nutrient medium and methods of feeding of larvae of Agrotis segetum on it.
12481

The specificity of helminths from an ecological aspect.
12857

DIETHYLAMINOETHYL DEXTRAN
Effect of diethylaminoethyl dextran on the growth of Mycoplasma in agar.
12802

DIGESTION
Anatomical and histological changes in internal organs of adult Trypodendron lineatum, Gnathotrichus retusus and G. sulcatus (Coleoptera: Scolytidae).
12532

DIGITARIA
The effect of linuron on ion uptake in corn, soybean, and crabgrass.
12732

DIHYDROHEPTACHLOR
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

DIMETHOATE
The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

Fly control in cage layer houses.
12813

DIMETHYL-3-(ALPHA,ALPHA,ALPHA-TRIFLUORO-M-TOLYL)UREA, 1,1-
Soybean mitochondrial response to prometryne and fluometuron.
12731

DINITRILO-1,4-DITHIOANTHRAQUINONE, 2,3-
Infrared determination of dithianon.
12913

DINITROETHYLENEDIAMINE, N,N'
N,n-dinitroethylenediamine retards growth of red cedar and American arborbitae.
12908

DINITROPHENOL COMPOUNDS
Fungicidal activity and chemical constitution. XV. The activity of 4-(1-substituted n-alkyl)-2,6-dinitrophenols.
12601

Fungicidal activity and chemical constitution. xvi. The use of partition data for an analysis of the activities of alkyldinitrophenol fungicides against apple mildew.
12603

DINOSEB
Effect of simulated rainfall on herbicide performance.
12708

Interaction of EPTC and DNBP on seedlings of alfafa and birdsfoot trefoil.
12727

DIORYCTRIA
A light-trap bag for collecting live insects.
12378

DIPHENYLAMINE
Superficial scald, a functional disorder of stored apples. IV. - Effect of variety, maturity, oil wraps and diphenylamine on the concentration of alpha-farnesene in the fruit.
12870

DIPLODIA
Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

DIPTERA
The black flies of Alabama (Diptera: Simuliidae).
12390

Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies.
12501

Unnamed and little-known insects attacking cottonwood in southern California.
12667

Records of parasites of sunnhemp shoot-borer, Laspeyresia tricentra Meyr. (Tortricidae: Lepidoptera) in Uttar Pradesh.
12682

DIQUAT
Photochemical degradation of diquat.
12925

DISEASE TRANSMISSION
Transmission of Hamosporidiorida by cave-dwelling Anopheles in the grottos of the Congo.
12577

Entomological studies on the transmission of human malaria in a dense, humid forest zone, Sassandra region, Ivory Coast.
12580

Factors affecting the transmission of filariae: The effect of parasitization by Brugia malayi in laboratory populations of Aedes aegypti.
12586

Pigeon failure as vector of fowl cholera in turkeys.
12752

Thermal resistance of Salmonella senftenberg 775W in dry animal feeds.
12780

Two different type A influenza virus infections in turkeys in Wisconsin II. 1968 outbreak.
12793

Susceptibility of various strains of chicken to the oncogenicity of Yaba virus.
12798

DISSECTION
The problem of age determination in Anopheles melas Theo. 1903, by Polovodova's method.
12455

DISTRIBUTION
Parasite specificity as the result of ecological parasite-host relations.
12855

DISULFOTON
The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

DITHANE
Controlling late blight of potato with some fungicides.
12654

DITHIOCARBAMATES
Phytotoxicity of dithiocarbamate fungicides on Worcester Pearmain.
12871

DITYLENCHUS DIPSACI
The importance of the problems posed by the bulb and stem eelworm, Ditylenchus dipsaci Kuhn, in western France.
12697

DIURNAL RHYTHM
The role played by the neurons of the brain in the circadian behavior rhythm of Gryllus domesticus L.
12407

Diurnal flight in the larger Dytiscidae (Col) and the attraction of car roofs to Coleoptera in flight.
12428

The effect of light on the circadian rhythm of locomotor activity in the house cricket (Acheta domesticus L.).
12439

DIURON
A cucumber bioassay test for the soil residues of certain herbicides.
12718

Metabolic fate of monuron and diuron in isolated leaf discs.
12909

DODECYL ALCOHOL
Atrophy and developmental abnormality in insects exposed to dodecyl alcohol.
12511

DOGS
Specificity in Angiostronylus vasorum (Baillet,1866).
12833

On the specifity of the tapeworm Echinococcus granulosus (Batsch, 1786).
12846

DOSAGE
Toxicity of certain pyrethroids and carbamates to the CS strain of Oncopeltus fasciatus.
12469

Efficacy of malathion on wheat grains against Trogoderma granarium Everts at constant temperatures.
12527

Synthesis and experimental investigation of a new anthelminthic, monopar.
12896

A device for the drip application of insecticide concentrates.
12930

DOTHIDELLA ULEI
Dispersal of conidia of Dothidella ulei from Hevea brasiliensis.
12617

DROSOPHILA
Comparative resistance to sedimentation of three different strains of sigma virus of Drosophila.
12517

Parallel polymorphisms in different species of Hawaiian Drosophila.
12562

DROSOPHILA ANDALUSIACA
Drosophila andalusiaca, a polymorphic species new to Holland.
12337

DROSOPHILA IMMIGRANS
Effects of temperature on Drosophila. IV. Adaptation of D. immigrans.
12466

DROSOPHILA MELANOGASTER
The chemosterilant effect of anthramycin methyl ether in Drosophila melanogaster.
12410

Cell lineage, growth, and determination in the imaginal leg discs of Drosophila melanogaster.
12427

Purification of the male factor increasing egg deposition in D. melanogaster.
12490

Inhibition of ovary development of the fruit-fly, Drosophila melanogaster by synthetic queen substance .
12528

Disruptive selection for sternopleural bristle number in Drosophila melanogaster.
12560

The effect of selection for sternopleural bristle number on mating behavior in Drosophila melanogaster.
12561

A deviant sex ratio in Drosophila melanogaster.
12564

Temperature induction of phenodeviants in Drosophila melanogaster mutants.
12565

Rare pseudoallelic crossover between two phenotypically identical alleles at a restricted sublocus of dumpy in Drosophila melanogaster.
12573

Experiments on selection for developmental rate in Drosophila melanogaster.
12576

DROSOPHILA PERSIMILIS
Genic variation in a natural population of Drosophila persimilis.
12571

DROSOPHILA VIRILIS
DNA synthesis in the gaint salivary chromosomes of Drosophila virilis proir to pupation.
12513

DRUG RESISTANCE
PAM 1392 (2,4-diamino-6-(3,4-dichlorobenzylamino) Quinazoline) as a Chemotherapeutic agent: Plasmodium berghei, P. cynomolgi, P. knowlesi, and Trypanosoma cruzi.
12803

DRUG THERAPY
A method for the injection of chemicals into trees.
12660

Chemoprophylaxis of fasciolosis.
12764

Severe coccidiosis in a breeder flock following high-level medication for Mycoplasma and coccidia control.
12786

PAM 1392 (2,4-diamino-6-(3,4-dichlorobenzylamino) Quinazoline) as a Chemotherapeutic agent: Plasmodium berghei, P. cynomolgi, P. knowlesi, and Trypanosoma cruzi.
12803

Sanitation of a fowl-flock from the geohelminth Heterakis gallinarum.
12818

On the focus of trichinellosis of swine with epidemiologic implications.
12822

Effectiveness of Maretin and Meldane as treatments for Capillariasis in bobwhites.
12825

Experimental fascioliasis in small mammals: Apparent effects of bithionol on Fasciola hepatica in rats.
12826

Chemoprophylactic sanitation of enterobes.
12840

Fascioliasis of ruminants in Japan.
12865

Synthesis and experimental investigation of a new anthelminthic, monopar.
12896

DUCKLINGS
The activity of alkaline phosphatase in the duck intestine during experimental echinostomatosis.
12823

DUCKS
On the specificity of some helminths parasitizing Anseriformes.
12754

Plasmodium lophurae: (U-C14)-glucose catabolism by free plasmodia and duckling host erythrocytes.
12792

Chicken-embryo-adapted duck hepatitis virus growth curve in embryonated chicken eggs.
12805

DUSTING
Ground application of pesticides.
12931

Pest control machinery in Japan.
12932

DWARF DISEASE
Vector-induced modifications in a plant virus.
12614

DWARF MOSAIC
Pathological histology of corn and sorghum plants infected with maize dwarf mosaic virus and Sclerospora sorghi.
12632

DYTISCIDAE
Diurnal flight in the larger Dytiscidae (Col) and the attraction of car roofs to Coleoptera in flight.
12428

ECDYSONE
The development of female gonads in pupae of Galleria mellonella L.. (Lepidoptera).
12445

Insect hormones: Their effects on diapause and development of Hymenoptera.
12465

Insect neurometamorphis. IV. Effects of the brain and synthetic alpha-ecdysone upon interganglionic connective shortening in Galleria mellonella (L.) (Lepidoptera).
12516

ECHINOCHLOA CRUSGALLI
Propanil and molinate for control of barnyardgrass in water-seeded rice.
12734
Plant growth regulator activity of optical isomers of DMPA.
12900

ECHINOCOCCOSIS
Contribution to an improved diagnostic (test) for bovine Cysticercosis.
12756
Allergic symptoms in the clinical picture of echinococcosis.
12815

ECHINOCOCCUS GRANULOSUS
Echinococcus granulosus: Ultrastructure of microtriches.
12839
On the specifity of the tapeworm Echinococcus granulosus (Batsch, 1786).
12846

ECHINOSTOMA REVOLUTUM
The activity of alkaline phosphatase in the duck intestine during experimental echinostomatosis.
12823

ECOLOGY
The influence of the biotopes on helminth specificity.
12831
The role of phylogeny and ecology of helminth and host in the formation of helminth fauna in animals.
12845
Adaptation of some mammalian helminths in the light of helminthocoenoses.
12850
Parasite specificity as the result of ecological parasite-host relations.
12855
The specificity of helminths from an ecological aspect.
12857
Ecological specificity of intermediate hosts of Thelazia in cattle and the relation of their infective larvae to some unusual hosts.
12864
Specificity of the parasites from the ecological point of view.
12868
Effects of dichlobenil on two fishpond environments.
12889

ECONOMICS
Herbicides - economic tools in railroad vegetation control.
12723
Rats and mice enemies of production, hazard to health.
12880

ECTOPARASITES
Anoplura of rodents and insectivores in the Central African Republic.
12376
Contribution to the study of ectoparasites of vertebrates in the Central African Republic.
12544

EGG PRODUCTION
Experimental fascioliasis in small mammals: Apparent effects of bithionol on Fasciola hepatica in rats.
12826
Relation among liver fluke populations in cattle and the results of coprological examinations.
12849

EGG YOLKS
Egg-yolk and olive juice as supplements to the yeast hydrolyzate-sucrose diet for adults of Dacus oleae.
12446

EGGS
The development of female gonads in pupae of Galleria mellonella L. (Lepidoptera).
12445
Application of ovitraps in the U. S. Aedes acgypti eradication program.
12468
Observations on Rhypodes chiwai Usinger (Hemiptera: Lygaeidae).
12553
Studies on the control of Mycoplasma meleagridis in turkeys.
12784
Chicken-embryo-adapted duck hepatitis virus growth curve in embryonated chicken eggs.
12805
On the evidence of infestation ability of ascarid eggs (Ascaris suum Goeze,1782) in strange hosts.
12820
Host specificity as evidenced by species of Fasciola.
12841

EIMERIA
Severe coccidiosis in a breeder flock following high-level medication for Mycoplasma and coccidia control.
12786
Immunity to parasites.
12863

EIMERIA TENELLA
Eimeria tenella: Temperature and asexual development in cell culture.
12799

ELECTROMAGNETIC WAVES
Electrophoretic studies of serum proteins obtained from radiofrequency-treated yellow mealworm larvae.
12473

ELECTRON MICROSCOPY
The sarcoplasmic reticulum and its association with the T system in an insect.
12460
A comparative study on the fine structure of the basalar muscle of the wing and the tibial extensor muscle of the leg of the lepidopteran Achalarus lyciades.
12522
Relation of tobacco mosaic virus to the host cells.
12608
An electron microscopy study of the penetration of tobacco mosaic virus into leaves following experimental inoculation.
12611
Virus particles in phloem exudate from Cucumis sativus L. after infection by Cucumis Virus 2 A.
12623
Fine structure and electron cytochemical studies of Sclerotium rolfsii Sacc.
12631
Characterization of Mycoplasma pulmonis variants isolated from rabbits. I. Identification and properties of isolates.
12762
Echinococcus granulosus: Ultrastructure of microtriches.
12839

ELECTROPHORESIS
Electrophoretic studies of serum proteins obtained from radiofrequency-treated yellow mealworm larvae.
12473
Genic variation in a natural population of Drosophila persimilis.
12571
Agar gel and immunoelectrophoretic analysis of several strains of Trypanosoma cruzi.
12772

ELODEA
Ecology of submersed aquatic weeds in south Florida canals.
12706

EMBRYOLOGY
Chicken-embryo-adapted duck hepatitis virus growth curve in embryonated chicken eggs.
12805

EMBRYOS
Chicken embryo lethal orphan virus: Virus localization and histopathology in chicken embryos.
12776

ENCEPHALITIS
Epidemic role of ticks of the genera Dermacentor and Ixodes persulcatus P. Sch. in mountain foci of tick-borne encephalitis depending upon activity of their attacks on man.
12581

ENDOSULFAN
Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

ENDRIN
Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672
A note on the compatibility of endrin with parachlorophenoxy acetic acid and boron in relation to mustard aphid infestation.
12685
Insect control studies on the new hybrid sorghum CSH-1 in India.
12691
Insecticide trials in tobacco seedbeds, 1962--1965.
12715

ENTEROBACTERIACEAE
Experimental transmission of Enterobacteriaceae by insects. I. Fate of Salmonella fed to the hide beetle Dermestes maculatus and a novel method for mounting insects.
12472
Investigation into the culturing of Salmonella and Shigella organisms from milk and milk product mediums of enrichment procedures. I. The inhibitory activity of the enrichment substrate on the milk organisms.
12884

ENTOMOGENOUS FUNGI
Symposium on the action of entomopathologic viruses and fungi on the vertebrates.
12895

ENTOMOLOGY
Entomology.
12688

ENVIRONMENT
Chemical factors of water in tree holes and related breeding of mosquitoes.
12512
Environmental influence on bentgrass treated with silvex.
12712
Be alert to pesticide use changes.
12935

ENZYMES
DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480
Effect of several herbicides on proteolytic activity of squash seedlings.
12704
The isolation of two enzyme-ribonucleic acid complexes involved in the synthesis of foot-and-mouth disease virus ribonucleic acid.
12749
The activity of alkaline phosphatase in the duck intestine during experimental echinostomatosis.
12823

EPHEMERAL FEVER
Syncytia formation of mosquito cell cultures mediated by type 2 dengue virus.
12800

EPIDEMIOLOGY
Epidemic role of ticks of the genera Dermacentor and Ixodes persulcatus P. Sch. in mountain foci of tick-borne encephalitis depending upon activity of their attacks on man.
12581
On the focus of trichinellosis of swine with epidemiologic implications.
12822

EPIDIDYMITIS
Antigenic relationship of Brucella ovis and Brucella melitensis.
12767

EPILACHNA
Studies on the pH of the digestive tract of Aulacophora foveollis Lucas and Epilachna dodecastigma Wied.
12406

EPITRIX
Contribution to the knowledge of the genus Epithrix Foudr. (Coleoptera, Chrysomelidae, Halticinae).
12370

EQUINE ENCEPHALOMYELITIS
Viral encephalitis of equines and domestic ruminants in the Near East. Part II.
12760

ERADICATION
Hydroxy coumarins as rodenticide in warehouses.
12882

ERIOPHYES VITIS
Control of grape leaf blister mite (Eriophyes vitis (Pag.)) in the Stanthrope District, Queensland.
12680

ERWINIA AMYLOVORA
Permeability alterations induced in apple leaves by virulent and avirulent strains of Erwinia amylovora.
12600

ERYSIPELOTHRIX RHUSIOPATHIAE
The inactivation of Erysipelothrix rhusiopathiae in macrophages from normal and immune mice.
12804

ERYSIPHE GRAMINIS
Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
12650

ERYTHROCYTES
Plasmodium lophurae: (U-C14)-glucose catabolism by free plasmodia and duckling host erythrocytes.
12792

Plasmodium gallinaceum: Chicken erythrocyte survival as determined by sodium radiochromate and Di-isopropylfluorophosphate labeling.
12810

ESTERS
Novel process for the preparation of transchrysanthemumic acid. Patent 3,445,499.
12922

ETHERS
Beta-dialkylaminoalkyl ethers and thioethers. Patent 3,446,843.
12912

ETHION
Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

ETHYL CHLORIDE
Efficacy of different insecticides against tobacco ground beetles in the field.
12674

ETHYL HEXAHYDRO-1H-AZEPINE-1-CARBOTHIOATE, S
Propanil and molinate for control of barnyardgrass in water-seeded rice.
12734

ETHYL N,N-DIPROPYLTHIOCARBAMATE
Weed control in Scricea lespedeza.
12710

Importance of root, shoot, and seed exposure on the herbicidal activity of EPTC.
12722

Interaction of EPTC and DNBP on seedlings of alfafa and birdsfoot trefoil.
12727

Soil moisture and effectiveness of preemergence herbicides.
12743

Adsorption, volatility, and migration of Thiocarbamate herbicides in soils.
12886

ETHYLENE
Ethylene-its effect on flower crops.
12885

Identification of ethylene in gibberellic-acid-treated potatoes.
12904

ETHYLENE DIBROMIDE
Reduction of sorption in ethylene dibromide fumigation chambers.
12928

ETHYLENE-1,2-DI(THIOCARBAMOYL DIMETHYLTHIOCARBAMOYL SULFIDE) , N,N-
Phytotoxicity of dithiocarbamate fungicides on Worcester Pearmain.
12871

EUBLEMMA AMABILIS
Effect of insecticidal sprays on the longevity and fecundity of Eublemma amabilis Moore and Holcocera pulverea Meyr.
12493

EUCALYPTUS
Effects of 2,4,5-T and dibutyl phthalate on bloodwood (Eucalyptus dichromophloia).
12705

EUMENIDAE
The nesting activities of the vespoid potter wasp Eumenes campaniformis esuriens (Fabr.) compared with the ecologically similar sphecoid Sceliphron madraspatanum (Fabr.) (Hymenoptera).
12470

EUPODIDAE
A new genus and species of Tydeidae (Acari : Prostigmata) from New Zealand.
12388

EVOLUTION
The role of phylogeny and ecology of helminth and host in the formation of helminth fauna in animals.
12845

EXCRETA
Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

EXPERIMENTAL INSECTS
Failure of laboratory colonies of body lice to develop resistance to malathion.
12437

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Atrophy and developmental abnormality in insects exposed to dodecyl alcohol.
12511

Results of application of aluminum phosphide pellets to rice weevils in an open bin and to angoumois grain moths under air-tight conditions.
12878

A chemosterilant feeder for insects.
12934

EXTRACTS
Sex pheromone of the eri-silkworm moth, Philosamia cynthia ricini Donovan (Lepidoptera: Staurniidae).
12548

EXUDATES
Virus particles in phloem exudate from Cucumis sativus L. after infection by Cucumis Virus 2 A.
12623

EYES
A nonlinear model for transient responses from light-adapted wolf spider eyes.
12442

Nonlinear transient responses from light-adapted wolf spider eyes to changes in background illumination.
12443

Eyes of the female two-spotted spider mite, Tetranychus urticae. III Behavioral analysis of the photoreceptors.
12526

Red-rose linkage in the German cockroach.
12572

FARNESENE
Superficial scald, a functional disorder of stored apples. IV. - Effect of variety, maturity, oil wraps and diphenylamine on the concentration of alpha-farnesene in the fruit.
12870

FASCIOLA
Relation among liver fluke populations in cattle and the results of coprological examinations.
12849

FASCIOLA GIGANTICA
Experimental infection of calves with Fasciola gigantica.
12819

FASCIOLA HEPATICA
Chemoprophylaxis of fasciolosis.
12764

Experimental fascioliasis in small mammals: Apparent effects of bithionol on Fasciola hepatica in rats.
12826

Host specificity as evidenced by species of Fasciola.
12841

Pathomorphological and histochemical studies of livers of sheep experimentally infected with the liver fluke.
12856

Studies on the control of Galba truncatula in large pastures. II. The effect of snail control on the extensiveness of infection in cattle.
12862

On the host specificity of parthenogenetic stages of Fasciola hepatica under laboratory conditions.
12866

FASCIOLIASIS
Fascioliasis of ruminants in Japan.
12865

FAT BODY
Anatomical and histological changes in internal organs of adult Trypodendron lineatum, Gnathotrichus retusus and G. sulcatus (Coleoptera: Scolytidae).
12532

FATS
Influence of temperature and diet on attainment of firm diapause in the boll weevil.
12547

FATTY ACIDS
Fatty acids in Bacillus larvae, Bacillus lentimorbus, and Bacillus popilliae.
12474

Lipids in the haemolymph of the cricket, Acheta domesticus.
12551

Raillietina cesticillus: Fatty acid composition.
12751

FECES
Relationship of size of fecal pellets to larval molts in Lepidoptera.
12529

FEED
Feeding response of larvae of the corn earworm (Lepidoptera: Noctuidae) to water extracts of 16 host plants.
12556

Spongy changes in the brains of sheep poisoned by excess dietary copper.
12894

FEED ADDITIVES
The chemosterilant effect of anthramycin methyl ether in Drosophila melanogaster.
12410

FEEDERS
A chemosterilant feeder for insects.
12934

FEEDING
Sarcophagous habits of Trichoptera larvae on dead fish.
12426

Growth, longevity, and the frequency of feeding of Glossina pallidipes Austen.
12504

The effect of diet on the incidence of induced ketosis in the lactating dairy cow.
12775

FEEDS
Thermal resistance of Salmonella senftenberg 775W in dry animal feeds.
12780

FENAC
A cucumber bioassay test for the soil residues of certain herbicides.
12718

FENTHION
Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

FENTIN ACETATE
Controlling late blight of potato with some fungicides.
12654

FERTILITY
Egg-yolk and olive juice as supplements to the yeast hydrolyzate-sucrose diet for adults of Dacus oleae.
12446

Reproductive capacity of the green peach aphid on Maryland tobacco.
12461

On the effect of mating and nutrition on the reproduction of Culex pipiens fatigans Wiedemann.
12487

Effect of insecticidal sprays on the longevity and fecundity of Eublemma amabilis Moore and Holcocera pulverea Meyr.
12493

Metepa as a chemosterilant for adult female pink bollworms.
12507

Photoperiodism in relation to development and reproduction in the green stink bug.
12554

FERTILIZERS
Protect your maize from head smut.
12624

A note on boron toxiccity in young replantings.
12901

FESTUCA
Plant growth regulator activity of optical isomers of DMPA.
12900

FICALBIA
Chemical factors of water in tree holes and related breeding of mosquitoes.
12512

Oviposition traps and population sampling for the distribution of Aedes aegypti (L.).
12543

Parasites of mosquitoes in southwestern Wyoming and northern Utah.
12549

Promising chemicals for control of adult mosquitoes.
12583

Control of adult mosquitoes in Alaska with malathion.
12589

FICUS SYCOMORUS
Further studies on the pollination ecology of Ficus sycomorus L. (Hymenoptera, Chalcidoidea, Agaonidae).
12453

FIELD MICE
Growth rate of two Taenia crassiceps strains.
12828

FIGS
Laboratory evaluation of malathion as a storage protectant for figs.
12879

FILARIASIS
Factors affecting the transmission of filariae: The effect of parasitization by Brugia malayi in laboratory populations of Aedes aegypti.
12586

Transmission of Bancroft filariasis in the Ethiopian region.
12588

The transmission of Bancroft filariasis (subperiodic form) in the islands of the South Pacific.
12592

FISH
Sarcophagous habits of Trichoptera larvae on dead fish.
12426

Effects of dichlobenil on two fishpond environments.
12889

FLOW MEASUREMENT
Adsorption, volatility, and migration of Thiocarbamate herbicides in soils.
12886

FLOWERS
Losses from fusarium stem rot caused by Fusarium roseum, in commercial production of cuttings of carnation, Dianthus caryophyllus.
12618

Ethylene-its effect on flower crops.
12885

FLUORESCENT ANTIBODY TECHNIC
Intracellular avian infectious bronchitis virus: Detection by fluorescent antibody techniques in nonavian kidney cell cultures.
12757

FLUORESCENT LAMPS
House fly response to fluorescent lamps: Influenced by fly age and nutrition, air temperature, and position of lamps.
12515

FOLIAGE
Foliar and root absorption of atrazine applied postemergence to giant foxtail.
12744

FOMES
White root disease of Hevea in Africa, especially in the Ivory Coast.
12598

The economics of disease control in Hevea.
12646

FOMES NOXIUS
Phellinus noxius.
12645

FOMES ROSEUS
Formitopsis rosea.
12643

FOOD CONTAMINATION
Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

Incidence study of spores of Clostridium botulinum in convenience foods.
12883

Investigation into the culturing of Salmonella and Shigella organisms from milk and milk product mediums of enrichment procedures. I. The inhibitory activity of the enrichment substrate on the milk organisms.
12884

Colorimetric determination of 2,6-dichlord-4-nitroaniline (dichloran) residues in foods.
12890

FOOD HABITS
Agistemus exsertus as a predator of two tetranichid mites.
12448

The exploitation and conservation of resources by populations of insects.
12498

Growth, longevity, and the frequency of feeding of Glossina pallidipes Austen.
12504

A note on Vanessa kershawi (McCoy) in Auckland. Presenting evidence of an unusual host plant.
12519

Bionomics of Carpophilus foveicollis Murr. in pineapple.
12542

How physiological changes in the spring rape influence the distribution density of the cabbage aphid (Brevicoryne brassicae L.).
12552

The feeding sites in Sonchus oleraceus of Hyperomyzus lactucae, the aphid vector of lettuce necrotic yellows virus.
12635

Round worm infestation in calves.
12842

Rats and mice enemies of production, hazard to health.
12880

FOOD MOISTURE
Influence of temperature and diet on attainment of firm diapause in the boll weevil.
12547

FOOD SUPPLY
Ecology of stored grain insect pests.
12876

FOOT-AND-MOUTH DISEASE
Immunochemical studies of foot-and-mouth disease. IV. Preparation and evaluation of antisera specific for virus, virus protein sub-unit and the infection-associated antigen.
12759

FOOT-AND-MOUTH DISEASE VIRUS
The isolation of two enzyme-ribonucleic acid complexes involved in the synthesis of foot-and-mouth disease virus ribonucleic acid.
12749

FORAGE PLANTS
The pollinating activities of bumble bees and honeybees in relation to temperature, competing forage plants, and competition from other foragers.
12557

FOREST INSECTS
Laboratory insecticide tests against the Fall webworm.
12429

A study of insects attacking Douglas-fir cones in eastern Montana and Yellowstone National Park, 1967.
12444

FORMES LIGNOSUS
Rigidoporus lignosus.
12640

FORMICIDAE
Report on some neotropical ant studies.
12362

Observations on tandem-running, tenacity and aggression in the Indian red ant, Oecophylla smaragdina Fabr..
12458

FORMOTHION
Efficacy of different insecticides against tobacco ground beetles in the field.
12674

FORMULATIONS
Infrared determination of dithianon.
12913

FOWL CHOLERA
Pigeon failure as vector of fowl cholera in turkeys.
12752

FOXES
Growth rate of two Taenia crassiceps strains.
12828

On the specifity of the tapeworm Echinococcus granulosus (Batsch, 1786).
12846

FRUCTOSANS
Environmental influence on bentgrass treated with silvex.
12712

FRUIT
Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

FUMIGANTS

Fungicides for deciduous top fruit: A survey in 1968.
12622

FUMIGANTS
Entomology.
12688

Results of application of aluminum phosphide pellets to rice weevils in an open bin and to angoumois grain moths under air-tight conditions.
12878

Bromodifluoronitromethane for the control of insects, fungi and nematodes. Patent 3,445,576.
12917

Reduction of sorption in ethylene dibromide fumigation chambers.
12928

FUMIGATION
Influence of temperature on the effectiveness of paradichlorobenzene fumigation of black carpet beetle larvae.
12874

FUNGI
Shot-hole borer of tea plant in Japan.
12475

Fungicidal activity and chemical constitution. XV. The activity of 4-(1-substituted n-alkyl)-2,6-dinitrophenols.
12601

Dermatophytes in veterinary practice.
12795

Bromodifluoronitromethane for the control of insects, fungi and nematodes. Patent 3,445,576.
12917

FUNGICIDES
Shot-hole borer of tea plant in Japan.
12475

Some important turf diseases.
12599

Fungicidal activity and chemical constitution. XV. The activity of 4-(1-substituted n-alkyl)-2,6-dinitrophenols.
12601

Fungicidal activity and chemical constitution. xvi. The use of partition data for an analysis of the activities of alkyldinitrophenol fungicides against apple mildew.
12603

A new systemic fungicide.
12605

Arylhydrazono-isoxazolones as fungicides.
12606

Fungicides for deciduous top fruit: A survey in 1968.
12622

Grey mildew of cotton in Rajasthan.
12628

The effect of fungicidal treatments on sporulating capacity in relation to the control of coffee berry disease.
12633

Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

The economics of disease control in Hevea.
12646

The control of Sclerotinia sclerotiorum in green beans.
12651

Field trials for the control of Stemphylium botryosum f. lycopersici.
12653

Controlling late blight of potato with some fungicides.
12654

Dermatophytes in veterinary practice.
12795

Phytotoxicity of dithiocarbamate fungicides on Worcester Pearmain.
12871

Control of mango anthracnose by fungicides.
12873

Infrared determination of dithianon.
12913

Product of catalyzing polyurethane formation by means of 2-mercaptobenzothiazoles,thiazoles, oxazoles, imidazoles and imidazolines. Patent 3,446,779.
12914

N-polyhaloalkylthio compounds as fungicidal agents. Patent 3,444,300.
12918

Process for producing an antifungal and antiprotozoal substance. Patent 3,458,402.
12919

FUNGUS DISEASES (PLANTS)
Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Coleoptera).
12540

Black tipped wheat kernels in the indigenously grown Mexican varieties of wheat.
12596

Occurrence of gray leafspot on peppers in Florida.
12597

White root disease of Hevea in Africa, especially in the Ivory Coast.
12598

Some important turf diseases.
12599

Permeability alterations induced in apple leaves by virulent and avirulent strains of Erwinia amylovora.
12600

Fungicidal activity and chemical constitution. XV. The activity of 4-(1-substituted n-alkyl)-2,6-dinitrophenols.
12601

A new systemic fungicide.
12605

Arylhydrazono-isoxazolones as fungicides.
12606

Evaluation of peanut (Arachis hypogaea) varieties for Verticillium wilt resistance.
12609

Systemic activity of benzimidazoles as soil drenches against powdery mildew of apple and cherry.
12612

Illustration of a turf grass disease study helminthosporium leaf spot of creeping bentgrass.
12616

Dispersal of conidia of Dothidella ulei from Hevea brasiliensis.
12617

Losses from fusarium stem rot caused by Fusarium roseum, in commercial production of cuttings of carnation, Dianthus caryophyllus.
12618

Formation of soruses and spore differentiations in Utilago maydis (DC.) Cda.
12621

Fungicides for deciduous top fruit: A survey in 1968.
12622

Protect your maize from head smut.
12624

Cronartium comandrae in the Rocky Mountain States.
12625

Corn stalk rot fungi in North Carolina.
12626

Studies on Claviceps purpurea (Fr.) Tul. parasitic on Phragmites communis Trin..
12627

Grey mildew of cotton in Rajasthan.
12628

Uromyces costaricensis - A new report for the continental United States.
12629

Relation between the beta-glucosidases and fungus infection in corn.
12630

Fine structure and electron cytochemical studies of Sclerotium rolfsii Sacc.
12631

Pathological histology of corn and sorghum plants infected with maize dwarf mosaic virus and Sclerospora sorghi.
12632

The effect of fungicidal treatments on sporulating capacity in relation to the control of coffee berry disease.
12633

Seasonal variations in the sporulating capacity of the fungus causing coffee berry disease.
12634

Use of benzimidazoles for control of fungi in peel cultures of citrus fruits.
12636

Incidences of Pythium wilt of snap beans in Colorado.
12637

Status of Dutch elm disease in Oklahoma.
12638

The reactions of susceptible and resistant tomato cultivars to strains of Verticillium albo-atrum.
12639

Rigidoporus lignosus.
12640

Phellinus robustus.
12641

Rigidoporus zonalis.
12642

Formitopsis rosea.
12643

Rigidoporus ulmarius.
12644

Phellinus noxius.
12645

The economics of disease control in Hevea.
12646

On Phaeotrichoconis crotalariae occurring on Marsilea quadrifoliata in India.
12649

Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
12650

The control of Sclerotinia sclerotiorum in green beans.
12651

Field trials for the control of Stemphylium botryosum f. lycopersici.
12653

A blight of Aleppo pine (Pinus halepensis).
12655

Relation of the time of year to canker initiation by Fusarium solani in sugar maple.
12665

Saponins in relation to the control of avocado root rot with alfalfa meal.
12666

Effect of relative humidity and length of storage period upon fungal invasion and germination percentage of bajra seeds.
12869

Control of mango anthracnose by fungicides.
12873

FUSARIUM
Losses from fusarium stem rot caused by Fusarium roseum, in commercial production of cuttings of carnation, Dianthus caryophyllus.
12618

FUSARIUM MONILIFORME
Corn stalk rot fungi in North Carolina.
12626

FUSARIUM ROSEUM
Some important turf diseases.
12599

FUSARIUM SOLANI
Maintenance of Fusarium solani f. cucurbitae Snyder and Hansen in gourds.
12602

Relation of the time of year to canker initiation by Fusarium solani in sugar maple.
12665

GALLERIA MELLONELLA
The development of female gonads in pupae of Galleria mellonella L. (Lepidoptera).
12445

Insect neurometamorphis. IV. Effects of the brain and synthetic alpha-ecdysone upon interganglionic connective shortening in Galleria mellonella (L.) (Lepidoptera).
12516

GAMMA RAYS
Need for immediate sugar and ability to withstand thirst by newly emerged Oriental fruit flies, and Mediterranean fruit flies untreated or sexually sterilized with gamma radiation.
12478

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Trypanosoma cruzi: Effects of gamma radiation on growth and infectivity.
12781

GASTROINTESTINAL SYSTEM
Studies on the pH of the digestive tract of Aulacophora fovecollis Lucas and Epilachna dodecastigma Wied.
12406

Studies on the alimentary canal of Odoiporus longicollis. I. Morphology.
12537

The effect of hydrochloric acid and gastric juice on some morphological changes of Trichomonas intestinalis.
12771

Affecting the quality of wool in merino-sheep by artificial infestation with some gastro-intestinal nematodes, namely trichostrongyliodes.
12835

Echinococcus granulosus: Ultrastructure of microtriches.
12839

Round worm infestation in calves.
12842

GEESE
On the specificity of some helminths parasitizing Anseriformes.
12754

The development of Amidostomum anseris (Zeder, 1800) in the organism of Columba livia domi.
12838

GENES
Monofactorial inheritance of autogeny in Aedes atropalpus.
12569

Genic variation in a natural population of Drosophila persimilis.
12571

GEOMETRIDAE
A study of the mortality factors acting upon Cyzenis albicans (Fall.), a tachinid parasite of the winter moth (Operophtera Brumata (L.)).
12462

GERM-FREE LIFE
Trichinella spiralis: Establishment in Gnotobiotic mice affected by Bacillus mesentericus, B. subtilis.
12785

GIBBERELLA ZEAE
Corn stalk rot fungi in North Carolina.
12626

GIBBERELLIC ACID
Identification of ethylene in gibberellic-acid-treated potatoes.
12904

Effect of gibberellin A3 on concentration of DNA, RNA, and protein in pea plant (Pisum sativum L.).
12906

GLANDS (INSECTS)
Sex pheromone gland in the potato tuberworm moth, Phthorimaea operculella.
12402

The hymenopterous poison gland: Probable functions of the main glandular elements.
12416

GLOBULINS
Protective action of passively transferred immune serum and immunoglobulin fractions against tissue invasive stages of the dwarf tapeworm, Hymenolepis nana.
12827

GLOEOSPORIUM
The economics of disease control in Hevea.
12646

GLOSSINA
Announcement of a map showing the distribution of Glossina in Eastern Cameroon.
12371

Study of the morphological and anatomical characteristics of female Glossina and their relationship to physiological age.
12550

GLOSSINA PALLIDIPES
Growth, longevity, and the frequency of feeding of Glossina pallidipes Austen.
12504

GLUCOSE
Plasmodium lophurae: (U-C14)-glucose catabolism by free plasmodia and duckling host erythrocytes.
12792

Glucose uptake in Haematoloechus medioplexus and Gorgoderina trematodes.
12853

GLUCOSIDASE, BETA
Relation between the beta-glucosidases and fungus infection in corn.
12630

GLYCERIDES
Lypolysis of triglyeerides during cold storage of eggs of corn rootworms.
12459

Lipid metabolism in helminth parasites. VII. Triglyceride synthesis in Hymenolepis diminuta (cestoda).
12821

GONADS
The development of female gonads in pupae of Galleria mellonella L. (Lepidoptera).
12445

GRAIN
Efficacy of malathion on wheat grains against Trogoderma granarium Everts at constant temperatures.
12527

Use of radiography in seed and grain technology.
12595

Importance of root, shoot, and seed exposure on the herbicidal activity of EPTC.
12722

Ecology of stored grain insect pests.
12876

Disinfestation of stored seeds by heat treatment.
12877

GRAPES
Summer control of grape--vine scale (Eulecanium persicae (F.)) in the Stanthrope District, Queensland.
12679

Control of grape leaf blister mite (Eriophyes vitis (Pag.)) in the Stanthrope District, Queensland.
12680

A new record of borer Celosterna scabrator Fbr. (Lamiidae, Coleoptera) as a pest of grape vine, Vitis vinifera L. in Maharashtra.
12692

GRASSES
Uromyces costaricensis - A new report for the continental United States.
12629

A preliminary account of Macrosiphum miscanthi Takahashi on grasses and cereals in New Zealand.
12678

GREEN MANURES
Organic manuring for potato scab control and its relation to soil manganese.
12652

GRISEOFULVIN
Dermatophytes in veterinary practice.
12795

Interaction of nutrients and four antifungal antibiotics in their effects of Pythium species in vitro and in soil.
12910

GRYLLIDAE
Studies on Indian crickets (Orthoptera: Insecta), Part I.
12340

Systematics and acoustic behavior of United States crickets of the genus Cyrtoxipha (Orthoptera: Gryllidae).
12396

GRYLLUS DOMESTICUS
The role played by the neurons of the brain in the circadian behavior rhythm of Gryllus domesticus L.
12407

GUAVAS
Effect of simulated rainfall on herbicide performance.
12708

GYNANDROMORPHISM
Gynandromorphism in Culex tritaeniorhynchus.
12405

An Aedes vexans gynandromorph.
12497

HABITATS
Factors influencing Aedes aegypti occurrence in containers.
12418

Larval development of Aedes aegypti (L.) in used auto tires.
12477

Observations on certain dragonflies (Odonata) in central Scotland.
12492

Chemical factors of water in tree holes and related breeding of mosquitoes.
12512

HAEMOSPORIDIA
Transmission of Hamosporidiorida by cave-dwelling Anopheles in the grottos of the Congo.
12577

HALICTIDAE
Tribal positions of Western Hemisphere green sweat bees, with comments on their nest architecture (Hymenoptera Halictidae).
12350

Stones, cement and guards in halictine nest architecture and defense.
12485

HALOGENATED HYDROCARBONS
2-tri- (mixed) halomethyl benzimidazoles-Patent 3,448,115.
12916

Bromodifluoronitromethane for the control of insects, fungi and nematodes. Patent 3,445,576.
12917

HAMPEA
The differential resistance mechanism in female Hampea sp. Trees to the boll weevil.
12903

HAMSTERS
The isolation of two enzyme-ribonucleic acid complexes involved in the synthesis of foot-and-mouth disease virus ribonucleic acid.
12749

HARD END
Yuzuhada, a physiological disorder of oriental pear, and its possible relation to black-end and hard-end of Bartlett.
12656

HATCHING
Lipids of the mutant bronze mosquito, Aedes aegypti (L.).
12559

HEAT TREATMENT
Disinfestation of stored seeds by heat treatment.
12877

HELIOTHIS VIRESCENS
Competition and survival among the corn earworm, the tobacco budworm, and the Fall armyworm.
12555

HELIOTHIS ZEA
Distribution of the corn earworm on St. Croix, U.S. Virgin Islands, and its relation to suppression programs.
12387

DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

Competition and survival among the corn earworm, the tobacco budworm, and the Fall armyworm.
12555

Feeding response of larvae of the corn earworm (Lepidoptera: Noctuidae) to water extracts of 16 host plants.
12556

HELLULA
Bionomics of Hellula undalis Fb., the cabbage borer (Pyralidae: Lepidoptera) at Jabalpur.
12683

HELMINTHIASIS
On the specificity of some helminths parasitizing Anseriformes.
12754

The antigen-Antibody reactions in the helminthiases.
12817

The activity of alkaline phosphatase in the duck intestine during experimental echinostomatosis.
12823

On the specificity of some species of the suborder Rhabditata.
12830

The influence of the biotopes on helminth specificity.
12831

Specificity in Angiostronylus vasorum (Baillet,1866).
12833

Basic factors conditioning the specificity of the helminth invasion cycle.
12836

The development of Amidostomum anseris (Zeder, 1800) in the organism of Columba livia domi.
12838

Chemoprophylactic sanitation of enterobes.
12840

The role of phylogeny and ecology of helminth and host in the formation of helminth fauna in animals.
12845

Adaptation of some mammalian helminths in the light of helminthocoenoses.
12850

The specificity of helminths from an ecological aspect.
12857

Critical trials on the efficacy of thiabendazole against Ostertagia ostertagi, Cooperia oncophora, and Nematodirus helvetianus.
12859

Immunity to parasites.
12863

Specificity of the parasites from the ecological point of view.
12868

HELMINTHOLOGY
Immunity to parasites.
12863

HELMINTHOSPORIUM
Some important turf diseases.
12599

Illustration of a turf grass discase study helminthosporium leaf spot of creeping bentgrass.
12616

HELMINTHOSPORIUM SOROKINIANUM
Some important turf diseases.
12599

Illustration of a turf grass disease study helminthosporium leaf spot of creeping bentgrass.
12616

HELMINTHS
Ecological and biological data on Synopsyllus fonquerniei Wagner and Roubaud, 1932 (Siphonaptera), a flea of the domestic rat in the region of Tananarive.
12484

The helminth parasites of Hirundinidae of the neighborhood of Warsaw and Olsztyn.
12837

HEMAGGLUTINATION
Differences between Brucella antigens involved in indirect hemagglutination tests with normal and thinned red blood cells.
12766

Diagnosis of classical swine plague and titration of antisera by passive hemagglutination.
12768

HEMAGGLUTINATION-INHIBITION TEST
Preparation of Mycoplasma synoviae hemagglutination-inhibition.
12807

HEMOLYMPH
Lipids in the haemolymph of the cricket, Acheta domesticus.
12551

HEPATITIS
Chicken-embryo-adapted duck hepatitis virus growth curve in embryonated chicken eggs.
12805

HEPTACHLOR
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

HERBICIDE APPLICATION
Control of live oak by herbicides applied at various rates and dates.
12707

Winged elm control with picloram and 2,4,5-T with and without additives.
12720

Response of oak and red maple to herbicides applied with an injector.
12742

HERBICIDE RESIDUES
A cucumber bioassay test for the soil residues of certain herbicides.
12718

Trifluralin persistence as affected by depth of soil incorporation.
12738

Effect of soil and climate on herbicide dissipation.
12888

Effects of dichlobenil on two fishpond environments.
12889

Colorimetric determination of 2,6-dichlord-4-nitroaniline (dichloran) residues in foods.
12890

Persistence and movement of 2,3,6-TBA in soil.
12891

HERBICIDES
Leaching of trifluralin, benefin, and nitralin in soil columns.
12703

Effect of several herbicides on proteolytic activity of squash seedlings.
12704

Effects of 2,4,5-T and dibutyl phthalate on bloodwood (Eucalyptus dichromophloia).
12705

Control of live oak by herbicides applied at various rates and dates.
12707

Effect of simulated rainfall on herbicide performance.
12708

Effect of activated carbon on the phytotoxicity of herbicides in a tropical soil.
12709

Weed control in Sericea lespedeza.
12710

Weed control in a winter wheat-fallow rotation.
12711

Environmental influence on bentgrass treated with silvex.
12712

Translocation of dicamba in Canada thistle.
12713

Weed control research '47-'67.
12714

The influence of soil characteristics on the adsorption and phytotoxicity of simazine.
12716

Bacterium yields new weed killer.
12717

A cucumber bioassay test for the soil residues of certain herbicides.
12718

Gross morphological and cytological effects of nitralin on corn roots.
12721

Importance of root, shoot, and seed exposure on the herbicidal activity of EPTC.
12722

The effect of linuron on 32P and 45Ca uptake in tomato and parsnip.
12724

Incorporation of dychlobenil in mulches.
12726

Interaction of EPTC and DNBP on seedlings of alfafa and birdsfoot trefoil.
12727

Effects of two environmental factors on removal of 2,4-DB from forage.
12728

Translocation and fate of dicamba in purple nutsedge.
12730

Soybean mitochondrial response to prometryne and fluometuron.
12731

The effect of linuron on ion uptake in corn, soybean, and crabgrass.
12732

Control of broomrape in peas and carrot crops.
12733

Propanil and molinate for control of barnyardgrass in water-seeded rice.
12734

Response of sago pondweed to periodic removal of topgrowth.
12735

Organic matter--amiben interaction on nodulation and growth of soybeans.
12736

Leaching of seven s-Triazines.
12737

Persistence of dichlobenil an SD-7961 in soil.
12739

Weed control in turf.
12740

Metabolism of pyrazon in sugar beets and soil.
12741

Soil moisture and effectiveness of preemergence herbicides.
12743

Foliar and root absorption of atrazine applied postemergence to giant foxtail.
12744

Woody plant shoot management and response to herbicidal treatment.
12745

Adsorption, volatility, and migration of Thiocarbamate herbicides in soils.
12886

Effects of 2,4-D and other herbicides on oxidative phosphorylation in mitochondria from cabbage.
12902

Metabolic fate of monuron and diuron in isolated leaf discs.
12909

N-alkanoyloxyphenoxyalkanamides as herbicides. Patent 3,446,613.
12911

Dimer of 2,2,3,4,5,6-hexachlorocyclohexadienone. Patent 3,444,207.
12915

2-tri- (mixed) halomethyl benzimidazoles- Patent 3,448,115.
12916

Dinitrophenylpropanols having herbicidal properties. Patent 3,444,244.
12923

Methods of manufacturing 2,6-dichlorobenzamide. Patent 3,444,166 (United States).
12924

Photochemical degradation of diquat.
12925

Herbicidal mixture and method of controlling undesirable plant growth therewith. Patent 3,443,927.
12926

HESPERIIDAE
A comparative study on the fine structure of the basalar muscle of the wing and the tibial extensor muscle of the leg of the lepidopteran Achalarus lyciades.
12522

HETERAKIS GALLINARUM
Sanitation of a fowl-flock from the geohelminth Heterakis gallinarum.
12818

The role of phylogeny and ecology of helminth and host in the formation of helminth fauna in animals.
12845

HETERODERA
Biological aspects of the carrot cyst nematode, Heterodera carotae Jones, 1950.
12701

HETERODERA AVENAE
Studies of cereal nematode populations and cereal yields under continuous or intensive culture.
12699

HETERODERA ROSTOCHIENSIS
Changes in a Heterodera rostochiensis population through the growing season.
12451

Assessment of the damage caused to potatoes by potatoes cyst eelworm, Heterodera rostochiensis Woll..
12696

HEVEA
Rigidoporus lignosus.
12640

Phellinus noxius.
12645

The economics of disease control in Hevea.
12646

A note on boron toxiccity in young replantings.
12901

HEVEA BRASILIENSIS
White root disease of Hevea in Africa, especially in the Ivory Coast.
12598

Dispersal of conidia of Dothidella ulei from Hevea brasiliensis.
12617

HEXACHLORO-3A,4,7,7A-TETRAHYDRO-4,7-METHANOINDENE, 4,5,6,7, 8,8-
The metabolism of dihydrochlordene and related compounds by housefly (M. domestica L.) and pig liver microsomes.
12423

HIBERNATION
Effect of winter precipitation and temperature on overwintering eggs of Northern and Western corn rootworms.
12432

Intercurrent resting, a neglected aspect of mosquito behavior. (Abstract).
12494

Cronartium comandrae in the Rocky Mountain States.
12625

HISTOCHEMISTRY
The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. II. Studies on Mycobacterium tuberculosis (BCG).
12778

The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. I. Mycobacterium tuberculosis avium.
12779

Pathomorphological and histochemical studies of livers of sheep experimentally infected with the liver fluke.
12856

Metastrongylosis of swine originating from the Lublin Palatinate.
12860

HISTOLOGY
Anatomical and histological changes in internal organs of adult Trypodendron lineatum, Gnathotrichus retusus and G. sulcatus (Coleoptera: Scolytidae).
12532

Spirurata of animals and humans and their diseases.
12858

HISTOMONAS MELEAGRIDIS
Serum protein changes in chickens subsequent to infection with Histomonas meleagridis.
12782

HISTONES
Uncoupling of DNA and histone synthesis prior to prophase I of meiosis in the cricket Grillus (Acheta) domesticus L.
12417

HISTORY
Remarks on the taxonomy of mosquitoes.
12391

Weed control research '47-'67.
12714

HOG CHOLERA
Diagnosis of classical swine plague and titration of antisera by passive hemagglutination.
12768

HOG CHOLERA VACCINES
Nonstaining phenylenedimethylene-bis-(triphenylphosphonium) salt - inactivated hog cholera virus vaccine. Patent 3,455,782.
12753

HOG CHOLERA VIRUS
Nonstaining phenylenedimethylene-bis-(triphenylphosphonium) salt - inactivated hog cholera virus vaccine. Patent 3,455,782.
12753

Attenuation of the hog cholera virus by continuous cell-virus propagation. III. Growth interference of Newcastle disease virus by attenuated hog cholera virus and its application to virus titration and the neutralization test.
12790

HOLCOCERA PULVEREA
Effect of insecticidal sprays on the longevity and fecundity of Eublemma amabilis Moore and Holcocera pulverea Meyr.
12493

HOMOPTERA
The armored scale insects of Texas (Homoptera: Coccoidea: Diaspididae).
12368

HORMONES
The development of female gonads in pupae of Galleria mellonella L. (Lepidoptera).
12445

Insect hormones: Their effects on diapause and development of Hymenoptera.
12465

Insect neurometamorphis. IV. Effects of the brain and synthetic alpha-ecdysone upon interganglionic connective shortening in Galleria mellonella (L.) (Lepidoptera).
12516

Inhibition of ovary development of the fruit-fly, Drosophila melanogaster by synthetic queen substance .
12528

Compounds related to juvenile hormone. III.
12533

Compounds related to juvenile hormone. II.
12539

The homeostasis of the host and the development of the parasite.
12854

HORSES
Viral encephalitis of equines and domestic ruminants in the Near East. Part II.
12760

HOUSEHOLD INSECTS
Influence of temperature on the effectiveness of paradichlorobenzene fumigation of black carpet beetle larvae.
12874

HUMAN DISEASES
Notes on the biology of Anopheles hargreavesi (Evans), 1927, and Anopheles paludis Theobald, 1900, in the south of Yaounde (Cameroon), along the Nyong river.
12508

Entomological studies on the transmission of human malaria in a dense, humid forest zone, Sassandra region, Ivory Coast.
12580

Epidemic role of ticks of the genera Dermacentor and Ixodes persulcatus P. Sch. in mountain foci of tick-borne encephalitis depending upon activity of their attacks on man.
12581

New ecological data on vectors of human malaria in Africa.
12584

Transmission of Bancroft filariasis in the Ethiopian region.
12588

Intradermal tests and serological reactions with antigens of Trichinella spiralis in persons infested by different forms of parasites.
12814

Allergic symptoms in the clinical picture of echinococcosis.
12815

On the focus of trichinellosis of swine with epidemiologic implications.
12822

Chemoprophylactic sanitation of enterobes.
12840

On the host specificity of ascarids of human and pig origin.
12847

Spirurata of animals and humans and their diseases.
12858

HUMIDITY
Environmental influence on bentgrass treated with silvex.
12712

Effect of relative humidity and length of storage period upon fungal invasion and germination percentage of bajra seeds.
12869

Ecology of stored grain insect pests.
12876

HYALOMMA
Growth, longevity, and the frequency of feeding of Glossina pallidipes Austen.
12504

HYDROCARBONS
Response of sago pondweed to periodic removal of topgrowth.
12735

Beta-dialkylaminoalkyl ethers and thioethers. Patent 3,446,843.
12912

Method of preventing influenza viral infections. Patent 3,444,302.
12920

HYDROCHLORIC ACID
The effect of hydrochloric acid and gastric juice on some morphological changes of Trichomonas intestinalis.
12771

HYDROGEN PEROXIDE
Local and regional application of hydrogen peroxide in the control of clostridial myositis in rabbits.
12770

HYDROGEN-ION CONCENTRATION
Studies on the pH of the digestive tract of Aulacophora fovecollis Lucas and Epilachna dodecastigma Wied.
12406

Protect your maize from head smut.
12624

In situ breakage of turnip yellow mosaic virus RNA and in situ aggregation of the fragments. Analysis of successive stages.
12648

Environmental influence on bentgrass treated with silvex.
12712

HYDROXYACETYL)-8-HYDROXY-ISOCOUMARIN, 4-(OMEGA
Process for producing an antifungal and antiprotozoal substance. Patent 3,458,402.
12919

HYDROXYNAPHTHALIMIDE DIETHYL PHOSPHATE, N
An effective anthelmintic in treatment of quail infected with Capillaria contorta.
12824

Effectiveness of Maretin and Meldane as treatments for Capillariasis in bobwhites.
12825

HYMENOLEPIS DIMINUTA
Lipid metabolism in helminth parasites. VII. Triglyceride synthesis in Hymenolepis diminuta (cestoda).
12821

Hymenolepis diminuta: Effect of quality of host dietary carbohydrate on growth.
12829

HYMENOLEPIS NANA
Protective action of passively transferred immune serum and immunoglobulin fractions against tissue invasive stages of the dwarf tapeworm, Hymenolepis nana.
12827

HYMENOPTERA
Indian species of Scambus Hartig (Hymenoptera: Ichneumonidae).
12353

A new species of Kristotomus (Hymenoptera: Ichneumonidae) from India.
12367

The hymenopterous poison gland: Probable functions of the main glandular elements.
12416

Accessory nuclei and annulate lamellae in hymenopteran oocytes.
12483

Unnamed and little-known insects attacking cottonwood in southern California.
12667

Records of parasites of sunnhemp shoot-borer, Laspeyresia tricentra Meyr. (Tortricidae: Lepidoptera) in Uttar Pradesh.
12682

HYPERA POSTICA
Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

HYPEROMYZUS LACTUCAE
Evidence of transovarial passage of the sowthistle yellow vein virus in the aphid Hyperomyzus lactucae.
12689

HYPERPARASITISM
Some black mildew sooty mold and fly speck fungi and their hyperparasites from Dominica.
12594

HYPERSENSITIVITY
Allergic symptoms in the clinical picture of echinococcosis.
12815

HYPHANTRIA CUNEA
Laboratory insecticide tests against the Fall webworm.
12429

ICHNEUMONIDAE
Indian species of Scambus Hartig (Hymenoptera: Ichneumonidae).
12353

A new species of Kristotomus (Hymenoptera: Ichneumonidae) from India.
12367

A new parasite of the vegetable weevil in southern California.
12436

Accessory nuclei and annulate lamellae in hymenopteran oocytes.
12483

IDIOCERUS
A new Idioceridae from Chile: Idiocerus hichinsi n. sp. (Homopt.).
12356

IDIOSTOLIDAE
Notes on the morphology, taxonomy, and distribution of the Idiostolidae (Hemiptera-Heteroptera).
12384

ILLUSTRATIONS
Tabanidae.
12336

IMAGOS
A light-trap bag for collecting live insects.
12378

A simplified trap for collecting adult pecan weevils.
12379

X-ray radiation effects on survival and sterility of adults of the cereal leaf beetle.
12500

Metepa as a chemosterilant for adult female pink bollworms.
12507

Treatment of corn rootworm larvae and adults with Bacillus thuringiensis and B. popilliae.
12687

IMMUNITY
Passive transfer of resistance to Marek's disease.
12769

Agar gel and immunoelectrophoretic analysis of several strains of Trypanosoma cruzi.
12772

Bovine babesiosis: The immunity of calves to Babesia bigemina infection.
12773

Titration of infectious bronchitis virus in tracheas of susceptible and immune chickens.
12777

The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. II. Studies on Mycobacterium tuberculosis (BCG).
12778

The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. I. Mycobacterium tuberculosis avium.
12779

Antigenic type of first relapse variants arising from a strain of Trypanosoma (Trypanozoon) brucei.
12783

Autoimmune reactions of chickens infected by Plasmodium gallinaceum.
12801

The inactivation of Erysipelothrix rhusiopathiae in macrophages from normal and immune mice.
12804

Immunity response to the infectious bursal agent.
12809

Protective action of passively transferred immune serum and immunoglobulin fractions against tissue invasive stages of the dwarf tapeworm, Hymenolepis nana.
12827

Invasion experiments with trichinella spiralis in fowls.
12851

Paratenic parasitism as an indicator of the specificity of the definite host in some trematodes.
12852

Studies on immunity of calves to Dictyocaulus viviparus reinfection. V. Serological studies on experimental dictyocaulosis caused by normal and X-ray inactivated larvae.
12861

Immunity to parasites.
12863

IMMUNIZATION
Illustration of a turf grass disease study helminthosporium leaf spot of creeping bentgrass.
12616

Viral encephalitis of equines and domestic ruminants in the Near East. Part II.
12760

The persistence of Mycoplasma mycoides in the host after vaccination with T1 broth vaccine.
12761

Prenatal immunization of the lamb to Brucella: Dissociation of immunocompetence and reactivity.
12788

Immunization of chickens against Newcastle disease with beta-propiolactone-killed virus antigen administered in drinking water.
12797

Immunity response to the infectious bursal agent.
12809

Immunity to parasites.
12863

IMMUNOCHEMISTRY
Immunochemical studies of foot-and-mouth disease. IV. Preparation and evaluation of antisera specific for virus, virus protein sub-unit and the infection-associated antigen.
12759

Serum protein changes in chickens subsequent to infection with Histomonas meleagridis.
12782

IMMUNODIAGNOSIS
Attenuation of the hog cholera virus by continuous cell-virus propagation. III. Growth interference of Newcastle disease virus by attenuated hog cholera virus and its application to virus titration and the neutralization test.
12790

On the specificity of the nematode Trichocephalus suis Schrank,1788.
12848

IMMUNOLOGY
Antigenic properties of Mycoplasma organisms and membranes.
12748

Characterization of Mycoplasma pulmanis variants isolated from rabbits. II. Basis for differentiation of antigenic subtypes.
12763

Antigenic relationship of Brucella ovis and Brucella melitensis.
12767

INFECTIOUS BRONCHITIS
Intracellular avian infectious bronchitis virus: Detection by fluorescent antibody techniques in nonavian kidney cell cultures.
12757

INFECTIOUS BRONCHITIS VIRUS
Titration of infectious bronchitis virus in tracheas of susceptible and immune chickens.
12777

INFECTIOUS DISEASES
Susceptibility of various strains of chicken to the oncogenicity of Yaba virus.
12798

INFESTATION
Basic factors conditioning the specificity of the helminth invasion cycle.
12836

Host specificity as evidenced by species of Fasciola.
12841

Specificity of the intestinal stage in the development of Trichinella spiralis.
12844

INFLAMMATION
Local and regional application of hydrogen peroxide in the control of clostridial myositis in rabbits.
12770

INFLUENZA
Method of preventing influenza viral infections. Patent 3,444,302.
12920

INFLUENZA VIRUSES
Ultraviolet inactivation and photoreactivation of avian viruses.
12765

Two different type A influenza virus infections in turkeys in Wisconsin II. 1968 outbreak.
12793

INJECTIONS
A method for the injection of chemicals into trees.
12660

Observations on the ultrastructure of the spinal cord, spleen and lymph nodes of mice inoculated with scrapie.
12755

INSECT ABNORMALITIES
Atrophy and developmental abnormality in insects exposed to dodecyl alcohol.
12511

Deformation of puparia of the housefly (Musca domestica L.) on treatment with organophosphorus insectisides.
12541

INSECT ADAPTATION
The results of my breeding of Acanthobrahmaea europaea Hartig 1963. A contribution to the extent of variation of this species (Lep., Brahmaeidae).
12414

Effects of temperature on Drosophila. IV. Adaptation of D. immigrans.
12466

INSECT ANATOMY
Anatomical and histological changes in internal organs of adult Trypodendron lineatum, Gnathotrichus retusus and G. sulcatus (Coleoptera: Scolytidae).
12532

Study of the morphological and anatomical characteristics of female Glossina and their relationship to physiological age.
12550

INSECT BEHAVIOR
Systematics and acoustic behavior of United States crickets of the genus Cyrtoxipha (Orthoptera: Gryllidae).
12396

The distribution and biology of Tribolium castaneum (Coleoptera, Tenebrionidae) on temperature gradients varying in steepness.
12404

The role played by the neurons of the brain in the circadian behavior rhythm of Gryllus domesticus L.
12407

Cannibalism and predation by aphids.
12409

The regulation of population density in the bark beetle Scolytus scolytus (F.).
12411

Note on breeding of fruit flies Dacus ciliatus Loew and D. cucurbithe Coquillett in stem galls of Coccinia indica W. and A.
12413

Studies on pollen gathering activity of the Indian honey bee Apis indica F. under Delhi conditions.
12415

Factors influencing Aedes aegypti occurrence in containers.
12418

Responses of Ips confusus to synthetic sex pheromones in nature.
12424

Sarcophagous habits of Trichoptera larvae on dead fish.
12426

Diurnal flight in the larger Dytiscidae (Col) and the attraction of car roofs to Coleoptera in flight.
12428

Trail laying by larvae of Chlosyne lacinia.
12430

Presenting results of tests involving biologically active materials.
12431

Relationship between the physiological age and the behavior of mosquitoes.
12434

The effect of light on the circadian rhythm of locomotor activity in the house cricket (Acheta domesticus L.).
12439

A study of insects attacking Douglas-fir cones in eastern Montana and Yellowstone National Park, 1967.
12444

Genetically marked Aedes Aegypti in studies of field populations.
12452

Further studies on the pollination ecology of Ficus sycomorus L. (Hymenoptera, Chalcidoidea, Agaonidae).
12453

Observations on tandem-running, tenacity and aggression in the Indian red ant, Oecophylla smaragdina Fabr..
12458

Comparative effects of reserpine and serotonin creatine sulfate on oviposition in the house fly.
12463

The nesting activities of the vespoid potter wasp Eumenes campaniformis esuriens (Fabr.) compared with the ecologically similar sphecoid Sceliphron madraspatanum (Fabr.) (Hymenoptera).
12470

Studies on the olfactory stimuli guiding the bark beetle Blastophagus piniperda L. (Coleoptera, Scolytidae) to its host tree.
12476

Laboratory studies of the mating habits of the face fly.
12482

Stones, cement and guards in halictine nest architecture and defense.
12485

A scorpion attacking a pygmy mouse.
12486

On the effect of mating and nutrition on the reproduction of Culex pipiens fatigans Wiedemann.
12487

Observations on certain dragonflies (Odonata) in central Scotland.
12492

Intercurrent resting, a neglected aspect of mosquito behavior. (Abstract).
12494

Notes on the biology of Culex territans Walker.
12496

The exploitation and conservation of resources by populations of insects.
12498

Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies.
12501

Growth, longevity, and the frequency of feeding of Glossina pallidipes Austen.
12504

Responses of spotted cutworm larvae to various intesities and wavelengths of light.
12505

Metepa as a chemosterilant for adult female pink bollworms.
12507

Observations on predation by the wasp Anoplius ithaca (Pompilidae) on the wolf spider, Dardosa groenlandica (Lycosidae).
12523

Eyes of the female two-spotted spider mite, Tetranychus urticue. III Behavioral analysis of the photoreceptors.
12526

How physiological changes in the spring rape influence the distribution density of the cabbage aphid (Brevicoryne brassicae L.).
12552

Feeding response of larvae of the corn earworm (Lepidoptera: Noctuidae) to water extracts of 16 host plants.
12556

The pollinating activities of bumble bees and honeybees in relation to temperature, competing forage plants, and competition from other foragers.
12557

The effect of selection for sternopleural bristle number on mating behavior in Drosophila melanogaster.
12561

Incompatibility tests in the Culex pipiens complex. Part I. African strains. Part II. Egyptian strains.
12566

Epidemic role of ticks of the genera Dermacentor and Ixodes persulcatus P. Sch. in mountain foci of tick-borne encephalitis depending upon activity of their attacks on man.
12581

The feeding sites in Sonchus oleraceus of Hyperomyzus lactucae, the aphid vector of lettuce necrotic yellows virus.
12635

A chemosterilant feeder for insects.
12934

INSECT BIOCHEMISTRY
Studies on the pH of the digestive tract of Aulacophora fovecollis Lucas and Epilachna dodecastigma Wied.
12406

Uncoupling of DNA and histone synthesis prior to prophase I of meiosis in the cricket Grillus (Acheta) domesticus L.
12417

The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

Responses of Ips confusus to synthetic sex pheromones in nature.
12424

Presenting results of tests involving biologically active materials.
12431

Isolation of N, N-diethyl-m-toluamide (deet) from female pink bollworm moths.
12471

DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

INSECT BIOLOGY

Purification of the male factor increasing egg deposition in D. melanogaster.
12490

Chemical analysis of the scent fluid of Leptoglossus clypeatus.
12495

DNA synthesis in the gaint salivary chromosomes of Drosophila virilis prior to pupation.
12513

Insect neurometamorphis. IV. Effects of the brain and synthetic alpha-ecdysone upon interganglionic connective shortening in Galleria mellonella (L.) (Lepidoptera).
12516

Proteolytic enzymes in the salivary gland of Chironomus tentans.
12524

Tryptophan is not assimilated in breathing by insects.
12531

Lipids in the haemolymph of the cricket, Acheta domesticus.
12551

Lipids of the mutant bronze mosquito, Aedes aegypti (L.).
12559

INSECT BIOLOGY

A new Japanese species of Trioza from Machilus thunbergii, with descriptions of the immature stages and notes on biology (Hemiptera: Psyllidae).
12369

Taxonomic review, ecological and biological aspects of Diptera (Culicidae) living in the forest of Manera (Province of Kaffa) Ethiopia.
12373

The black flies of Alabama (Diptera: Simuliidae).
12389

The black flies of Alabama (Diptera: Simuliidae).
12390

The distribution and biology of Tribolium castaneum (Colcoptera, Tenebrionidae) on temperature gradients varying in steepness.
12404

A new parasite of the vegetable weevil in southern California.
12436

Biological observations on the Anopheles gambiae complex. (Abstract).
12438

Life history studies on the predatory mite Agistemus exsertus.
12449

A study of the mortality factors acting upon Cyzenis albicans (Fall.), a tachinid parasite of the winter moth (Operophtera Brumata (L.)).
12462

Ecological and biological data on Synopsyllus fonquerniei Wagner and Roubaud, 1932 (Siphonaptera), a flea of the domestic rat in the region of Tananarive.
12484

Observations on the biology of Mesidia nigra, a parasite of Iziphya punctata.
12488

Outline life histories of some west African Lepidoptera. Part II Limacodidae.
12491

Notes on the biology of Culex territans Walker.
12496

Oinophila v-flava Haw. (Lep., Tischeridae) in a distillery warehouse.
12499

Notes on the biology of Anopheles hargreavesi (Evans), 1927, and Anopheles paludis Theobald, 1900, in the south of Yaounde (Cameroon), along the Nyong river.
12508

A note on Vanessa kershawi (McCoy) in Auckland. Presenting evidence of an unusual host plant.
12519

Studies on Nephus regularis (Colcoptera: Coccinellidae) as a predator of the striped mealybug in Madhya Pradesh (India).
12521

Iconography of the eggs of the Lepidotera fauna of Belgium.
12530

Bionomics of Carpophilus foveicollis Murr. in pineapple.
12542

Observations on Rhypodes chiwai Usinger (Hemiptera: Lygaeidae).
12553

Epidemic role of ticks of the genera Dermacentor and Ixodes persulcatus P. Sch. in mountain foci of tick-borne encephalitis depending upon activity of their attacks on man.
12581

A preliminary account of Macrosiphum miscanthi Takahashi on grasses and cereals in New Zealand.
12678

Bionomics of Hellula undalis Fb., the cabbage borer (Pyralidae: Lepidoptera) at Jabalpur.
12683

INSECT COLLECTING EQUIPMENT

A light-trap bag for collecting live insects.
12378

A simplified trap for collecting adult pecan weevils.
12379

The black flies of Alabama (Diptera: Simuliidae).
12389

Dry preparation of small soft skinned animals particularly arthropods, and of plant parts with dichlormethane-glacial acetic acid-silica gel..
12440

Application of ovitraps in the U. S. Aedes aegypti eradication program.
12468

An appraisal of adult mosquito trapping techniques used in Nigeria, West Africa.
12534

INSECT CONTROL

Distribution of the corn earworm on St. Croix, U.S. Virgin Islands, and its relation to suppression programs.
12387

Control of acarids with triphenyl tin compounds. patent 3,445,575.
12545

Promising chemicals for control of adult mosquitoes.
12583

Use of radiography in seed and grain technology.
12595

Laboratory and field tests in 1966--67 on chemical control of wireworms (Agriotes spp.).
12671

INSECT CULTURES

Cannibalism and predation by aphids.
12409

INSECT DISEASES

A ten year survey of Trinidadian arthropods for natural virus infections (1953-1963).(Abstract).
12403

The multiplication and spread of sacbrood virus of bees.
12408

On the specificity of Vagoiavirus melolonthae.
12467

Fatty acids in Bacillus larvae, Bacillus lentimorbus, and Bacillus popilliae.
12474

Comparative resistance to sedimentation of three different strains of sigma virus of Drosophila.
12517

On a new species of Agamermis (Mermithidae) of a bug in Poland.
12525

Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Coleoptera).
12540

Parasites of mosquitoes in southwestern Wyoming and northern Utah.
12549

Transmission of Hamosporidiorida by cave-dwelling Anopheles in the grottos of the Congo.
12577

Treatment of corn rootworm larvae and adults with Bacillus thuringiensis and B. popilliae.
12687

Symposium on the action of entomopathologic viruses and fungi on the vertebrates.
12895

INSECT ECOLOGY

Faunistic and ecological data on the fleas of Madagascar (Siphonaptera).
12363

Taxonomic review, ecological and biological aspects of Diptera (Culicidae) living in the forest of Manera (Province of Kaffa) Ethiopia.
12373

A new genus and species of Tydeidae (Acari : Prostigmata) from New Zealand.
12388

The black flies of Alabama (Diptera: Simuliidae).
12390

Paper wasp in pitcher plant, Sarracenia purpurea L.
12412

Populations of the ant Tetramorium caespitum Latreille.
12421

Ecological studies on three pond midges (Diptera: Ceratopogonidae) in Quebec.
12433

Biological observations on the Anopheles gambiae complex. (Abstract).
12438

Changes in a Heterodera rostochiensis population through the growing season.
12451

Further studies on the pollination ecology of Ficus sycomorus L. (Hymenoptera, Chalcidoidea, Agaonidae).
12453

The problem of age determination in Anopheles melas Theo. 1903, by Polovodova's method.
12455

Shot-hole borer of tea plant in Japan.
12475

Ecological and biological data on Synopsyllus fonquerniei Wagner and Roubaud, 1932 (Siphonaptera), a flea of the domestic rat in the region of Tananarive.
12484

Ecology of the mosquitoes in artificially irrigated meadows of Southern Moravia.
12503

Maternal age as an ecological factor in the population dynamics of the European corn borer, Ostrinia nubilalis.
12520

Bionomics of Carpophilus foveicollis Murr. in pincapple.
12542

The ecology of selection in hybrid populations of Tribolium castaneum.
12575

New ecological data on vectors of human malaria in Africa.
12584

Ecology of stored grain insect pests.
12876

INSECT EGGS

Conversion of results of concentrated samples to density estimates of egg and larval populations of the Northern corn rootworm.
12345

Description of immature stages of Coreidae. 2. Acanthocephala terminalis.
12400

Effect of winter precipitation and temperature on overwintering eggs of Northern and Western corn rootworms.
12432

Agistemus exsertus as a predator of two tetranichid mites.
12448

Lypolysis of triglyeerides during cold storage of eggs of corn rootworms.
12459

Intercurrent resting, a neglected aspect of mosquito behavior. (Abstract).
12494

X-ray radiation effects on survival and sterility of adults of the cereal leaf beetle.
12500

Maternal age as an ecological factor in the population dynamics of the European corn borer, Ostrinia nubilalis.
12520

Iconography of the eggs of the Lepidotera fauna of Belgium.
12530

Photoperiodism in relation to development and reproduction in the green stink bug.
12554

Results of application of aluminum phosphide pellets to rice weevils in an open bin and to angoumois grain moths under air-tight conditions.
12878

Laboratory evaluation of malathion as a storage protectant for figs.
12879

INSECT EVOLUTION
Parallel polymorphisms in different species of Hawaiian Drosophila.
12562

INSECT FEEDING
On the effect of mating and nutrition on the reproduction of Culex pipiens fatigans Wiedemann.
12487

INSECT FLIGHT
Diurnal flight in the larger Dytiscidae (Col) and the attraction of car roofs to Coleoptera in flight.
12428

INSECT GENETICS
Drosophila andalusiaca, a polymorphic species new to Holland.
12337

Cell lineage, growth, and determination in the imaginal leg discs of Drosophila melanogaster.
12427

Lipids of the mutant bronze mosquito, Aedes aegypti (L.).
12559

Disruptive selection for sternopleural bristle number in Drosophila melanogaster.
12560

The effect of selection for sternopleural bristle number on mating behavior in Drosophila melanogaster.
12561

Parallel polymorphisms in different species of Hawaiian Drosophila.
12562

Resistance to dieldrin of Culex pipiens fatigans in the city of Bobo-Dioulasso (Upper Volta). Methods of study and genetic determinism.
12563

Temperature induction of phenodeviants in Drosophila melanogaster mutants.
12565

Incompatibility tests in the Culex pipiens complex. Part I. African strains. Part II. Egyptian strains.
12566

Tetraploid females in Mormoniella.
12567

The causes of male sterility in A. gambiae A-B group crosses. (Abstract).
12568

Monofactorial inheritance of autogeny in Aedes atropalpus.
12569

Direct evidence for the specific distinctness of forms A, B and C of the Anopheles gamhiae comples. (Abstract).
12570

Genic variation in a natural population of Drosophila persimilis.
12571

Red-rose linkage in the German cockroach.
12572

Rare pseudoallelic crossover between two phenotypically identical alleles at a restricted sublocus of dumpy in Drosophila melanogaster.
12573

Karyoecology of simulids (Diptera, Simuliidae). Genome structure of karyopool in Odagmia ornata Mg. with accessory chromosomes.
12574

The ecology of selection in hybrid populations of Tribolium castaneum.
12575

Experiments on selection for developmental rate in Drosophila melanogaster.
12576

INSECT HISTOLOGY
Sex pheromone gland in the potato tuberworm moth, Phthorimaea operculella.
12402

Accessory nuclei and annulate lamellae in hymenopteran oocytes.
12483

Histopathological and developmental effects of the chemosterilant apholate, on the mosquito Aedes aegypti.
12535

INSECT IDENTIFICATION
Revision of the genus Phlebotomus of Arica south of the Zambesi, key for the identification and description of: P. salisburiensis n. sp., P. zumpti n. sp. and P. haeselbarthi n. sp., (Diptera-Psychodidae).
12331

Contribution to the study of the Culex of the Ethiopian region belonging to the sub-genus Mochthogenes (Diptera, Culicidae), with a description of the males of five new species.
12342

Contribution to the study of the Culicidae of the Ethiopian region. Description of Culex (Barraudius) richeti n. sp. Supplemental notes on Culex (B) pusillus Macquart and Culex (B.) modestus Ficalbi.
12343

On two mites of economic importance in Japan (Arachnida: Acarina).
12349

Three new aphid species of the subfam. Dactynotinae from the Crimea (Homoptera).
12357

Two new Malayan species of the genus Nephotettix (Hemiptera: Cicadellidae).
12360

Faunistic and ecological data on the fleas of Madagascar (Siphonaptera).
12363

Tabanidae (Diptera) of Morocco, III. description of Tabanus choumarae n. sp.
12364

A new Japanese species of Trioza from Machilus thunbergii, with descriptions of the immature stages and notes on biology (Hemiptera: Psyllidae).
12369

Tabanidae of Cameroon. I. Description of new species.
12374

Anoplura of rodents and insectivores in the Central African Republic.
12376

Phlebotomus moucheti (Diptera Psychodidae), a new species caught in the caves of Cameroon and in the Central African Republic.
12394

The first instar larvae of the genus Trixa Meigen and remarks on the systematics and nomenclature of this genus (Diptera, Larvaevoridae).
12401

Contribution to the study of the Culicidae of Madagascar. Description of larvae and nymphs of Culex (C.) giganteus Ventrillon and Culex (C.) argenteopunctatus argenteopunctatus Ventrillon. Comparative notes on the adults of the two species.
12425

Description of the male, the larva and the nymph of Ficalbia (Etorleptiomyia) xanthozona van Someren, 1948 (Diptera, Culicidae).
12450

Direct evidence for the specific distinctness of forms A, B and C of the Anopheles gambiae comples. (Abstract).
12570

INSECT METABOLISM
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

Lypolysis of triglyeerides during cold storage of eggs of corn rootworms.
12459

The peritrophic membranes in arthropods, their role in digestion and their intervention in the development of parasitic organisms.
12489

Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

INSECT MIGRATION
A large migration of the Australian painted lady butterfly, Vanessa kershawi (McCoy), to New Zealand.
12454

INSECT MORPHOLOGY
Intersex of Culicoides circumscriptus Kieffer (Ceratopogonidae: Diptera).
12372

On the genitalia of Merodontina sikkimensis Enderl. (Asilidae, Diptera) with a description of a new species of Merodontina Enderl. from India.
12380

Sex pheromone gland in the potato tuberworm moth, Phthorimaea operculella.
12402

Gynandromorphism in Culex tritaeniorhynchus.
12405

Contribution to the study of the Culicidae of Madagascar. Description of larvae and nymphs of Culex (C.) giganteus Ventrillon and Culex (C.) argenteopunctatus argenteopunctatus Ventrillon. Comparative notes on the adults of the two species.
12425

Cell lineage, growth, and determination in the imaginal leg discs of Drosophila melanogaster.
12427

Morphological study on the instars of the alfalfa caterpillar, Colias lesbia (F.) (Lep., Pieridae).
12441

Accessory nuclei and annulate lamellae in hymenopteran oocytes.
12483

An Aedes vexans gynandromorph.
12497

Studies on the alimentary canal of Odoiporus longicollis. I. Morphology.
12537

Deformation of puparia of the housefly (Musca domestica L.) on treatment with organophosphorus insectisides.
12541

Study of the morphological and anatomical characteristics of female Glossina and their relationship to physiological age.
12550

Disruptive selection for sternopleural bristle number in Drosophila melanogaster.
12560

INSECT MOUNTING

The effect of selection for sternopleural bristle number on mating behavior in Drosophila melanogaster.
12561

Genic variation in a natural population of Drosophila persimilis.
12571

INSECT MOUNTING
Experimental transmission of Enterobacteriaceae by insects. I. Fate of Salmonella fed to the hide beetle Dermestes maculatus and a novel method for mounting insects.
12472

INSECT MUTATION
A deviant sex ratio in Drosophila melanogaster.
12564

Temperature induction of phenodeviants in Drosophila melanogaster mutants.
12565

Red-rose linkage in the German cockroach.
12572

INSECT NESTS
Tribal positions of Western Hemisphere green sweat bees, with comments on their nest architecture (Hymenoptera Halictidae).
12350

Paper wasp in pitcher plant, Sarracenia purpurea L.
12412

Stones, cement and guards in halictine nest architecture and defense.
12485

INSECT NUTRITION
Sarcophagous habits of Trichoptera larvae on dead fish.
12426

Egg-yolk and olive juice as supplements to the yeast hydrolyzate-sucrose diet for adults of Dacus oleae.
12446

Relevance of methionine, cysteine, cystine and sulphate in artificial feeding of Neomyzus (Aulacorthum) circumflexus BUCKT. (Aphidae, Homoptera, Insecta).
12447

Need for immediate sugar and ability to withstand thirst by newly emerged Oriental fruit flies, and Mediterranean fruit flies untreated or sexually sterilized with gamma radiation.
12478

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Formulation of a semisynthetic nutrient medium and methods of feeding of larvae of Agrotis segetum on it.
12481

On the effect of mating and nutrition on the reproduction of Culex pipiens fatigans Wiedemann.
12487

The causes of sexual differences in the size of Aphelinus asychis Walker (Hym., Aphelinidae).
12502

House fly response to fluorescent lamps: Influenced by fly age and nutrition, air temperature, and position of lamps.
12515

Laboratory rearing of the spinach leaf miner Pegomyia hyoscyami Panz.
12518

Influence of temperature and diet on attainment of firm diapause in the boll weevil.
12547

Laboratory evaluation of malathion as a storage protectant for figs.
12879

INSECT OUTBREAKS
A new record of borer Celosterna scabrator Fbr. (Lamiidae, Coleoptera) as a pest of grape vine, Vitis vinifera L. in Maharashtra.
12692

INSECT PESTS
Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

Conversion of results of concentrated samples to density estimates of egg and larval populations of the Northern corn rootworm.
12345

A new Japanese species of Trioza from Machilus thunbergii, with descriptions of the immature stages and notes on biology (Hemiptera: Psyllidae).
12369

A light-trap bag for collecting live insects.
12378

Continuous rearing of the apple maggot.
12419

A study of insects attacking Douglas-fir cones in eastern Montana and Yellowstone National Park, 1967.
12444

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Atrophy and developmental abnormality in insects exposed to dodecyl alcohol.
12511

Efficacy of malathion on wheat grains against Trogoderma granarium Everts at constant temperatures.
12527

Amphibolus venator (Klug) (Hemiptera-Heteroptera)-a predator on insect pests of stored products.
12546

Competition and survival among the corn earworm, the tobacco budworm, and the Fall armyworm.
12555

Unnamed and little-known insects attacking cottonwood in southern California.
12667

New record of Eubrachis indica Bally (Chrysomelidae: Coleoptera) as a serious pest of apple in Himachal Pradesh.
12668

Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672

Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

Effect of late infestation of the stem borer Chilo zonellus Swin. on the yield of sorghum grains.
12675

Treatment of corn rootworm larvae and adults with Bacillus thuringiensis and B. popilliae.
12687

Entomology.
12688

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

Arthropods in the diet of the cattle egret, Bubulcus ibis, in southern Louisiana.
12812

Fly control in cage layer houses.
12813

Ecology of stored grain insect pests.
12876

A chemosterilant feeder for insects.
12934

INSECT PHYSIOLOGY
Studies on the pH of the digestive tract of Aulacophora foveollis Lucas and Epilachna dodecastigma Wied.
12406

The multiplication and spread of sacbrood virus of bees.
12408

The hymenopterous poison gland: Probable functions of the main glandular elements.
12416

Relationship between the physiological age and the behavior of mosquitoes.
12434

The effect of light on the circadian rhythm of locomotor activity in the house cricket (Acheta domesticus L.).
12439

The development of female gonads in pupae of Galleria mellonella L. (Lepidoptera).
12445

Relevance of methionine, cysteine, cystine and sulphate in artificial feeding of Neomyzus (Aulacorthum) circumflexus BUCKT. (Aphidae, Homoptera, Insecta).
12447

The problem of age determination in Anopheles melas Theo. 1903, by Polovodova's method.
12455

The sarcoplasmic reticulum and its association with the T system in an insect.
12460

Reproductive capacity of the green peach aphid on Maryland tobacco.
12461

Comparative effects of reserpine and serotonin creatine sulfate on oviposition in the house fly.
12463

Insect hormones: Their effects on diapause and development of Hymenoptera.
12465

Effects of temperature on Drosophila. IV. Adaptation of D. immigrans.
12466

Experimental transmission of Enterobacteriaceae by insects. I. Fate of Salmonella fed to the hide beetle Dermestes maculatus and a novel method for mounting insects.
12472

Electrophoretic studies of serum proteins obtained from radiofrequency-treated yellow mealworm larvae.
12473

Studies on the olfactory stimuli guiding the bark beetle Blastophagus piniperda L. (Coleoptera, Scolytidae) to its host tree.
12476

Larval development of Aedes aegypti (L.) in used auto tires.
12477

The causes of sexual differences in the size of Aphelinus asychis Walker (Hym., Aphelinidae).
12502

Growth, longevity, and the frequency of feeding of Glossina pallidipes Austen.
12504

Parasitism associated with brachypterous males in the sugarcane leafhopper, Perkinsiella vitiensis.
12506

Atrophy and developmental abnormality in insects exposed to dodecyl alcohol.
12511

Chemical factors of water in tree holes and related breeding of mosquitoes.
12512

Laboratory rearing of the spinach leaf miner Pegomyia hyoscyami Panz.
12518

Proteolytic enzymes in the salivary gland of Chironomus tentans.
12524

Inhibition of ovary development of the fruit-fly, Drosophila melanogaster by synthetic queen substance.
12528

Relationship of size of fecal pellets to larval molts in Lepidoptera.
12529

Histopathological and developmental effects of the chemosterilant apholate, on the mosquito Aedes aegypti.
12535

Influence of temperature and diet on attainment of firm diapause in the boll weevil.
12547

Sex pheromone of the eri-silkworm moth, Philosamia cynthia ricini Donovan (Lepidoptera: Saurniidae).
12548

Photoperiodism in relation to development and reproduction in the green stink bug.
12554

Experiments on selection for developmental rate in Drosophila melanogaster.
12576

The zygotoblast and sporocyst indices in the valley of the Ruzizi.
12593

A chemosterilant feeder for insects.
12934

INSECT POLLINATORS

Further studies on the pollination ecology of Ficus sycomorus L. (Hymenoptera, Chalcidoidea, Agaonidae).
12453

The pollinating activities of bumble bees and honeybees in relation to temperature, competing forage plants, and competition from other foragers.
12557

INSECT POPULATIONS

The age composition of Anopheles melas Theobald (1903) populations collected simultaneously by different methods in the Gambia, West Africa.
12352

Notes on the biology of Anopheles hargreavesi (Evans), 1927, and Anopheles paludis Theobald, 1900, in the south of Yaounde (Cameroon), along the Nyong river.
12508

Ecology of stored grain insect pests.
12876

INSECT PRESERVATION

Dry preparation of small soft skinned animals particularly arthropods, and of plant parts with dichlormethane-glacial acetic acid-silica gel..
12440

Experimental transmission of Enterobacteriaceae by insects. I. Fate of Salmonella fed to the hide beetle Dermestes maculatus and a novel method for mounting insects.
12472

INSECT PROTECTIVE DEVICES

Stones, cement and guards in halictine nest architecture and defense.
12485

INSECT REARING

Note on breeding of fruit flies Dacus ciliatus Loew and D. cucurbithe Coquillett in stem galls of Coccinia indica W. and A.
12413

The results of my breeding of Acanthobrahmaea europaea Hartig 1963. A contribution to the extent of variation of this species (Lep., Brahmaeidae).
12414

Continuous rearing of the apple maggot.
12419

Egg-yolk and olive juice as supplements to the yeast hydrolyzate-sucrose diet for adults of Dacus oleae.
12446

Formulation of a semisynthetic nutrient medium and methods of feeding of larvae of Agrotis segetum on it.
12481

A laboratory rearing of Parascotia fuliginaria L. (Lep., Noctuidae).
12510

Chemical factors of water in tree holes and related breeding of mosquitoes.
12512

Laboratory rearing of the spinach leaf miner Pegomyia hyoscyami Panz.
12518

Blood meals and egg production of Culiseta alaskaensis (Ludlow) in captivity (Diptera: Culicidae).
12538

Direct evidence for the specific distinctness of forms A, B and C of the Anopheles gambiae complex. (Abstract).
12570

Rare pseudoallelic crossover between two phenotypically identical alleles at a restricted sublocus of dumpy in Drosophila melanogaster.
12573

The ecology of selection in hybrid populations of Tribolium castaneum.
12575

Experiments on selection for developmental rate in Drosophila melanogaster.
12576

INSECT REPELLENTS

Beta-dialkylaminoalkyl ethers and thioethers. Patent 3,446,843.
12912

INSECT RESPIRATION

Tryptophan is not assimilated in breathing by insects.
12531

INSECT TAXONOMY

Revision of the genus Phlebotomus of Arica south of the Zambesi, key for the identification and description of: P. salisburiensis n. sp., P. zumpti n. sp. and P. haeselbarthi n. sp., (Diptera-Psychodidae).
12331

New and little-known Indian craneflies (Tipulidae, Diptera) I.
12333

Studies on the species of Xylaplothrips Priesner from India.
12334

On some species of Taeniothrips Serville and Thrips Linn with further notes on Hyalopterothrips roonnsali Bhatti from India.
12335

Tabanidae.
12336

The subspecies of Rhinocoris iracundus (Poda), 1761 (Heteroptera, Reduviidae).
12338

The Tryphactothrips-complex in India, with a key to the world genera (Thysanoptera: Thripidae).
12339

Studies on Indian crickets (Orthoptera: Insecta), Part 1.
12340

Contribution to the study of the Culex of the Ethiopian region belonging to the sub-genus Mochthogenes (Diptera, Culicidae), with a description of the males of five new species.
12342

Contribution to the study of the Culicidae of the Ethiopian region. Description of Culex (Barraudius) richeti n. sp. Supplemental notes on Culex (B) pusillus Macquart and Culex (B.) modestus Ficalbi.
12343

The Anopheles claviger complex in the Mediterranean subregion.
12346

On two mites of economic importance in Japan (Arachnida: Acarina).
12349

Tribal positions of Western Hemisphere green sweat bees, with comments on their nest architecture (Hymenoptera Halictidae).
12350

A new species of Megouroparsus (Homoptera: Aphididae) from Northeast India.
12351

Indian species of Scambus Hartig (Hymenoptera: Ichneumonidae).
12353

Race e, sixth race of the hessian fly, Mayetiola destructor, discovered in Georgia wheat fields.
12355

A new Idioceridae from Chile: Idiocerus hichinsi n. sp. (Homopt.).
12356

Three new aphid species of the subfam. Dactynotinae from the Crimea (Homoptera).
12357

Two new Malayan species of the genus Nephotettix (Hemiptera: Cicadellidae).
12360

The lectotype of Bruchus julianus.
12361

Report on some neotropical ant studies.
12362

Faunistic and ecological data on the fleas of Madagascar (Siphonaptera).
12363

Tabanidae (Diptera) of Morocco, III. description of Tabanus choumarae n. sp.
12364

Cisidae study IV.
12365

A new species of Kristotomus (Hymenoptera: Ichneumonidae) from India.
12367

The armored scale insects of Texas (Homoptera: Coccoidea: Diaspididae).
12368

A new Japanese species of Trioza from Machilus thunbergii, with descriptions of the immature stages and notes on biology (Hemiptera: Psyllidae).
12369

Contribution to the knowledge of the genus Epithrix Foudr. (Coleoptera, Chrysomelidae, Halticinae).
12370

Taxonomic review, ecological and biological aspects of Diptera (Culicidae) living in the forest of Manera (Province of Kaffa) Ethiopia.
12373

Tabanidae of Cameroon. I. Description of new species.
12374

A review of the genus Hyperalonia rondani (Bombyliidae, Diptera) from South America.
12375

Anoplura of rodents and insectivores in the Central African Republic.
12376

On the genitalia of Merodontina sikkimensis Enderl. (Asilidae, Diptera) with a description of a new species of Merodontina Enderl. from India.
12380

Some interesting Macrolepidoptera from the fauna of Frankfurt am Main.
12381

Phycitinae. Study VI (Lepidoptera, Pyralidae).
12382

Description of a new species of Bradysia (Diptera, Sciaridae).
12383

Notes on the morphology, taxonomy, and distribution of the Idiostolidae (Hemiptera-Heteroptera).
12384

New Microlepidoptera for the local fauna of Saarland from the collection of Fritz Hutten, Karlsbrunn (III).
12385

On a new species of the genus Perlodes (Plecoptera: Perlodidae) from India.
12386

A new genus and species of Tydeidae (Acari : Prostigmata) from New Zealand.
12388

The black flies of Alabama (Diptera: Simuliidae).
12389

The black flies of Alabama (Diptera: Simuliidae).
12390

Remarks on the taxonomy of mosquitoes.
12391

INSECT TRAPS

The discovery of a representative of the Ptomaphazinini in Cuba (with an outline of the systematics and the distrihution of this tribe) (Coleoptera, Catopidae).
12392

A new Porolohmannella species from the Eustygon near Wiesbaden (Limnohalacaridae, Acarina).
12393

Phlebotomus moucheti (Diptera Psychodidae), a new species caught in the caves of Cameroon and in the Central African Republic.
12394

Several new sucking-insect species and subspecies from the Palearctic region. (196. Contribution to the knowledge of the Curculionidae).
12395

Systematics and acoustic behavior of United States crickets of the genus Cyrtoxipha (Orthoptera: Gryllidae).
12396

Middle East Lepidoptera--XXIV: Beihania, a new noctuid genus from southern Arabia with two new species from Arabia and Somaliland.
12397

The shore flies of the genus Canaceoides cresson (Diptera: Canaceidae).
12398

Two new South African machilids of the genus Machiloides (Microcoryphia, Insecta).
12399

Description of immature stages of Coreidae. 2. Acanthocephala terminalis.
12400

The first instar larvae of the genus Trixa Meigen and remarks on the systematics and nomenclature of this genus (Diptera, Larvaevoridae).
12401

Incompatibility tests in the Culex pipiens complex. Part I. African strains. Part II. Egyptian strains.
12566

New record of Eubrachis indica Bally (Chrysomelidae: Coleoptera) as a serious pest of apple in Himachal Pradesh.
12668

INSECT TRAPS

A simplified trap for collecting adult pecan weevils.
12379

Distribution of the corn earworm on St. Croix, U.S. Virgin Islands, and its relation to suppression programs.
12387

Application of ovitraps in the U. S. Aedes aegypti eradication program.
12468

An appraisal of adult mosquito trapping techniques used in Nigeria, West Africa.
12534

A device for protecting experimental huts from molestation.
12536

Oviposition traps and population sampling for the distribution of Aedes aegypti (L.).
12543

INSECT VECTORS

Tabanidae.
12336

Announcement of a map showing the distribution of Glossina in Eastern Cameroon.
12371

A ten year survey of Trinidadian arthropods for natural virus infections (1953-1963).(Abstract).
12403

Experimental transmission of Enterobacteriaceae by insects. I. Fate of Salmonella fed to the hide beetle Dermestes maculatus and a novel method for mounting insects.
12472

Notes on the biology of Anopheles hargreavesi (Evans), 1927, and Anopheles paludis Theohald, 1900, in the south of Yaounde (Cameroon), along the Nyong river.
12508

Practical implications of insecticide resistance in culicine mosquitoes.
12509

An appraisal of adult mosquito trapping techniques used in Nigeria, West Africa.
12534

Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Coleoptera).
12540

Arbovirus studies in south Florida, with emphasis on Venezuelan equine encephalomyelitis virus.
12579

Entomological studies on the transmission of human malaria in a dense, humid forest zone, Sassandra region, Ivory Coast.
12580

Epidemic role of ticks of the genera Dermacentor and Ixodes persulcatus P. Sch. in mountain foci of tick-borne encephalitis depending upon activity of their attacks on man.
12581

New ecological data on vectors of human malaria in Africa.
12584

Factors affecting the transmission of filariae: The effect of parasitization by Brugia malayi in laboratory populations of Aedes aegypti.
12586

Transmission of Bancroft filariasis in the Ethiopian region.
12588

Control of Oriental rat flea in Vietnam with diazinon dust.
12591

The transmission of Bancroft filariasis (subperiodic form) in the islands of the South Pacific.
12592

Vector-induced modifications in a plant virus.
12614

The feeding sites in Sonchus oleraceus of Hyperomyzus lactucae, the aphid vector of lettuce necrotic yellows virus.
12635

Studies on the bacterial diseases of Sudan crops. VIII. Survival and dissemination of Xanthomonas phaseoli (E.F.Sm.) Dowson.
12657

Entomology.
12688

Evidence of transovarial passage of the sowthistle yellow vein virus in the aphid Hyperomyzus lactucae.
12689

On trichinellosis of animals in the North-Eastern USSR.
12747

Ecological specificity of intermediate hosts of Thelazia in cattle and the relation of their infective larvae to some unusual hosts.
12864

INSECTICIDAL AEROSOLS

New insecticides evaluated as nonthermal aerosols against Aedes taeniorhynchus (Wiedemann).
12590

A laboratory thermal aerosol generator for the testing of insecticidal aerosols.
12929

INSECTICIDE APPLICATION

Evaluation of multi-engine aircraft in the ULV application of dibrom.
12587

Entomology.
12688

Laboratory evaluation of malathion as a storage protectant for figs.
12879

A laboratory thermal aerosol generator for the testing of insecticidal aerosols.
12929

A device for the drip application of insecticide concentrates.
12930

INSECTICIDE RESIDUES

Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

Laboratory evaluation of malathion as a storage protectant for figs.
12879

Analysis of crops and soils for residues of chlorfenvinphos insecticide and its breakdown products.
12887

INSECTICIDE RESISTANT INSECTS

Study of the stability of paper impregnated with oily solutions of OMS 33 (carbamate) and OMS 43 (oranophosphorous compound). Susceptibility of females of various species of African Culicidae to OMS 33 and OMS 43.
12420

The occurrence in Madagascar of resistance to dieldrin in the form B of the Anopheles gambiae complex.
12435

Failure of laboratory colonies of body lice to develop resistance to malathion.
12437

Mosquito control.
12457

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Practical implications of insecticide resistance in culicine mosquitoes.
12509

Resistance to dieldrin of Culex pipiens fatigans in the city of Bobo-Dioulasso (Upper Volta). Methods of study and genetic determinism.
12563

Pear Psylla control studies.
12669

INSECTICIDES

Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

Laboratory insecticide tests against the Fall webworm.
12429

The occurrence in Madagascar of resistance to dieldrin in the form B of the Anopheles gambiae complex.
12435

Mosquito control.
12457

The potentiation between thanite and arprocarb in their action on houseflics.
12464

Toxicity of certain pyrethroids and carbamates to the CS strain of Oncopeltus fasciatus.
12469

DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

Effect of insecticidal sprays on the longevity and fecundity of Eublemma amabilis Moore and Holcocera pulverea Meyr.
12493

Organophosphorus compounds. VI. -Structure and activity of certain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of certain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related compounds.
12514

Deformation of puparia of the housefly (Musca domestica L.) on treatment with organophosphorus insectisides.
12541

Control of acarids with triphenyl tin compounds. patcnt 3,445,575.
12545

Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

Promising chemicals for control of adult mosquitoes.
12583

Control of adult mosquitoes in Alaska with malathion.
12589

New insecticides evaluated as nonthermal aerosols against Aedes taeniorhynchus (Wiedemann).
12590

Pear Psylla control studies.
12669

The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

Laboratory and field tcsts in 1966--67 on chemical control of wireworms (Agriotes spp.).
12671

Efficacy of different insecticides against tobacco ground beetles in the field.
12674

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

Insecticidal control of citrus pcsts in coastal central Queensland.
12684

Entomology.
12688

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

Fly control in cage layer houses.
12813

Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

Laboratory evaluation of malathion as a storage protectant for figs.
12879

Tetraethylammonium chloride as an antidote for certain insecticides in mice.
12893

Beta-dialkylaminoalkyl ethers and thioethers. Patcnt 3,446,843.
12912

Dimer of 2,2,3,4,5,6-hexachlorocyclohexadienone. Patent 3,444,207.
12915

Novel process for the preparation of transchrysanthemumic acid. Patent 3,445,499.
12922

A device for the drip application of insecticide concentrates.
12930

INSECTIVORES
Contribution to the study of ectoparasites of vertebrates in the Central African Republic.
12544

INSECTS
Arthropods in the diet of the cattle egrct, Bubulcus ibis, in southern Louisiana.
12812

Bromodifluoronitromethane for the control of insects, fungi and nematodes. Patent 3,445,576.
12917

Conversion of a therapy X-ray unit for insect irradiations.
12933

INTEGRATED CONTROL (INSECTS)
Thc influence of UC-21149 and the aphidiid parasite Aphidius smithi on populations of the pea aphid.
12690

INTEGRATED CONTROL (WEEDS)
Compatibility of chemical and mechanical wced control methods.
12746

INTERFERENCE PHENOMENON
Attenuation of the hog cholcra virus by continuous cell-virus propagation. III. Growth interferencne of Newcastle disease virus by attenuated hog cholera virus and its application to virus titration and the neutralization test.
12790

INTERSEXUALITY
Intersex of Culicoides circumscriptus Kieffer (Ceratopogonidae: Diptera).
12372

INTESTINES
Intradermal tests and serological reactions with antigens of Trichinella spiralis in persons infested by different forms of parasites.
12814

The activity of alkaline phosphatase in the duck intestine during experimental echinostomatosis.
12823

Specificity of the intestinal stage in the development of Trichinella spiralis.
12844

Immunity to parasites.
12863

IONS
The effect of linuron on ion uptake in corn, soybean, and crabgrass.
12732

Enhancement and inhibition of avian sarcoma viruses by polycations and polyanions.
12806

IPS CONFUSUS
Responses of Ips confusus to synthetic sex pheromones in nature.
12424

IRRADIATION
Conversion of a therapy X-ray unit for insect irradiations.
12933

IRRIGATION
Ecology of the mosquitoes in artificially irrigated meadows of Southern Moravia.
12503

ISOBENZAN
Efficacy of different insecticides against tobacco ground beetles in the field.
12674

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

ISOMERS
Plant growth regulator activity of optical isomers of DMPA.
12900

ISOPROPOXYPHENYL METHYLCARBAMATE, O
Insecticides for control of Sphenophorus vcnatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

ISOPROPOXYPHENYL N-METHYLCARBAMATE, 2-
The potcntiation between thanite and arprocarb in their action on houseflies.
12464

IXODES PERSULCATUS
Epidemic role of ticks of the genera Dcrmacentor and Ixodes persulcatus P. Sch. in mountain foci of tick-borne encephalitis depending upon activity of their attacks on man.
12581

IXODIDAE
Growth, longevity, and the frcquency of feeding of Glossina pallidipes Austen.
12504

IZIPHYA
Ohservations on the biology of Mesidia nigra, a parasite of Iziphya punctata.
12488

JORDAN
Contribution to the knowlcdgc of thc genus Epithrix Foudr. (Coleoptera, Chrysomelidae, Halticinae).
12370

JUNIPERUS VIRGINIANA
N,n-dinitrocthylenediaminc rctards growth of rcd ccdar and Amcrican arborbitae.
12908

JUTE
Differential response,of a few improved and local varieties as well as a hybrid line of jute to stem-rot (Macrophomina phaseoli) and anthracnose (Collcctotrichum corchori). discases.
12619

JUVENILE HORMONE
Compounds related to juvcnilc hormone. III.
12533

Compounds related to juvenile hormone. II.
12539

KETOSIS
The cffect of diet on the incidence of induced ketosis in the lactating dairy cow.
12775

KIDNEY BEANS
Effect of activatcd carbon on the phytotoxicity of herbicides in a tropical soil.
12709

KIDNEYS
Growth curves in pig kidney cells of three porcine adenoviruses.
12774

LABORATORY ANIMALS
The effect of blockade and stimulation of the rcticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. II. Studies on Mycobacterium tuberculosis (BCG).
12778

The effect of bloekade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. I. Mycobacterium tuberculosis avium.
12779

Synthesis and experimental investigation of a new anthelminthic, monopar.
12896

LACTATION
The effect of diet on the incidence of induced ketosis in the lactating dairy cow.
12775

LAMBS
Prenatal immunization of the lamb to Brucella: Dissociation of immunocompetence and reactivity.
12788

Spongy changes in the brains of sheep poisoned by excess dietary copper.
12894

LAMIIDAE
A new record of borer Celosterna scabrator Fbr. (Lamiidae, Coleoptera) as a pest of grape vine, Vitis vinifera L. in Maharashtra.
12692

LARVAE
Four methods of sampling to mcasure populations of alfalfa weevil larvac.
12341

Conversion of results of concentrated samples to density cstimates of egg and larval populations of the Northern corn rootworm.
12345

Distribution of the corn earworm on St. Croix, U.S. Virgin Islands, and its relation to suppression programs.
12387

The first instar larvae of the genus Trixa Meigen and remarks on the systematics and nomenclature of this genus (Diptera, Larvaevoridae).
12401

Contribution to the study of the Culicidae of Madagascar. Description of larvae and nymphs of Culex (C.) giganteus Ventrillon and Culex (C.) argenteopunctatus argenteopunctatus Ventrillon. Comparative notes on the adults of the two species.
12425

Sarcophagous habits of Trichoptera larvae on dead fish.
12426

Trail laying by larvae of Chlosyne lacinia.
12430

A new parasite of the vegetable weevil in southern California.
12436

Morphological study on the instars of the alfalfa caterpillar , Colias lesbia (F.) (Lep., Pieridae).
12441

Electrophoretic studies of serum proteins obtained from radiofrequency-treated yellow mealworm larvae.
12473

Larval development of Aedes aegypti (L.) in used auto tires.
12477

Formulation of a semisynthetic nutrient medium and methods of feeding of larvae of Agrotis segetum on it.
12481

Responses of spotted cutworm larvae to various intesities and wavelengths of light.
12505

DNA synthesis in the gaint salivary chromosomes of Drosophila virilis proir to pupation.
12513

On a new species of Agamermis (Mermithidae) of a bug in Poland.
12525

Relationship of size of fecal pellets to larval molts in Lepidoptera.
12529

Competition and survival among the corn earworm, the tobacco budworm, and the Fall armyworm.
12555

Treatment of corn rootworm larvae and adults with Bacillus thuringiensis and B. popilliae.
12687

On trichinellosis of animals in the North-Eastern USSR.
12747

The development of Amidostomum anseris (Zeder, 1800) in the organism of Columba livia domi.
12838

Paratenic parasitism as an indicator of the specificity of the definite host in some trematodes.
12852

Studies on immunity of calves to Dictyocaulus viviparus reinfection. V. Serological studies on experimental dictyocaulosis caused by normal and X-ray inactivated larvae.
12861

Ecological specificity of intermediate hosts of Thelazia in cattle and the relation of their infective larvae to some unusual hosts.
12864

The evaluation of fractionated antigens of Trichinella spiralis in complement fixation and ring precipitation tests.
12867

Influence of temperature on the effectiveness of paradichlorobenzene fumigation of black carpet beetle larvae.
12874

Laboratory evaluation of malathion as a storage protectant for figs.
12879

LARVICIDES
Mosquito control.
12457

LASIACIS DIVARICATA
Uromyces costaricensis - A new report for the continental United States.
12629

LASPEYRESIA
Records of parasites of sunnhemp shoot-borer, Laspeyresia tricentra Meyr. (Tortricidae: Lepidoptera) in Uttar Pradesh.
12682

LATE BLIGHT
Controlling late blight of potato with some fungicides.
12654

LEAF SPOT
Illustration of a turf grass disease study helminthosporium leaf spot of creeping bentgrass.
12616

Field trials for the control of Stemphylium botryosum f. lycopersici.
12653

LEAFSPOT
Occurrence of gray leafspot on peppers in Florida.
12597

LEAVES
Permeability alterations induced in apple leaves by virulent and avirulent strains of Erwinia amylovora.
12600

LEGS
Cell lineage, growth, and determination in the imaginal leg discs of Drosophila melanogaster.
12427

LEGUMES
Weed control in Sericea lespedeza.
12710

LEMONS
Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

LEPIDOPTERA
Some interesting Macrolepidoptera from the fauna of Frankfurt am Main.
12381

New Microlepidoptera for the local fauna of Saarland from the collection of Fritz Hutten, Karlsbrunn (III).
12385

Relationship of size of fecal pellets to larval molts in Lepidoptera.
12529

Iconography of the eggs of the Lepidotera fauna of Belgium.
12530

Unnamed and little-known insects attacking cottonwood in southern California.
12667

LEPTODIRIDAE
The discovery of a representative of the Ptomaphazinini in Cuba (with an outline of the systematics and the distribution of this tribe) (Coleoptera, Catopidae).
12392

LEPTOSPIRA
Growth of pathogenic Leptospira in chemically defined media.
12791

LESPEDEZA CUNEATA
Weed control in Sericea lespedeza.
12710

LETTUCE
The feeding sites in Sonchus oleraceus of Hyperomyzus lactucae, the aphid vector of lettuce necrotic yellows virus.
12635

LEUCOPHAEA MADERAE
The sarcoplasmic reticulum and its association with the T system in an insect.
12460

LIGHT
The effect of light on the circadian rhythm of locomotor activity in the house cricket (Acheta domesticus L.).
12439

A nonlinear model for transient responses from light-adapted wolf spider eyes.
12442

Nonlinear transient responses from light-adapted wolf spider eyes to changes in background illumination.
12443

Responses of spotted cutworm larvae to various intesities and wavelengths of light.
12505

Ecology of submersed aquatic weeds in south Florida canals.
12706

Environmental influence on bentgrass treated with silvex.
12712

Effects of two environmental factors on removal of 2,4-DB from forage.
12728

LIGHT TRAPS
A light-trap bag for collecting live insects.
12378

House fly response to fluorescent lamps: Influenced by fly age and nutrition, air temperature, and position of lamps.
12515

LIMACODIDAE
Outline life histories of some west African Lepidoptera. Part II Limacodidae.
12491

LIME-SULFUR
Control of grape leaf blister mite (Eriophyes vitis (Pag.)) in the Stanthrope District, Queensland.
12680

Insecticidal control of citrus pests in coastal central Queensland.
12684

LINDANE
Laboratory and field tests in 1966--67 on chemical control of wireworms (Agriotes spp.).
12671

LINOLEIC ACID
Raillietina cesticillus: Fatty acid composition.
12751

LINURON
The effect of linuron on 32P and 45Ca uptake in tomato and parsnip.
12724

The effect of linuron on ion uptake in corn, soybean, and crabgrass.
12732

Effect of soil and climate on herbicide dissipation.
12888

LIPAPHIS ERYSIMI
Studies on Lipapaphis erysimi (Kalt.) with special reference to insect-plant relationship. III. Effect of age of plants on suseeptibility.
12677

A note on the compatibility of endrin with parachlorophenoxy acetic acid and boron in relation to mustard aphid infestation.
12685

LIPIDS
Lipids in the haemolymph of the cricket, Acheta domesticus.
12551

Lipids of the mutant bronze mosquito, Aedes aegypti (L.).
12559

Lipid metabolism in helminth parasites. VII. Triglyceride synthesis in Hymenolepis diminuta (cestoda).
12821

LISTRODERES COSTIROSTRIS OBLIQUUS
A new parasite of the vegetable weevil in southern California.
12436

LIVER
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

The metabolism of dihydrochlordene and related compounds by housefly (M. domestica L.) and pig liver microsomes.
12423

LIVESTOCK DISEASES
Bovine babesiosis: The immunity of calves to Babesia bigemina infection.
12773

Dermatophytes in veterinary practice.
12795

Affecting the quality of wool in merino-sheep by artificial infestation with some gastro-intestinal nematodes, namely trichostrongyliodes.
12835

Specificity of the intestinal stage in the development of Trichinella spiralis.
12844

Relation among liver fluke populations in cattle and the results of coprological examinations.
12849

Immunity to parasites.
12863

Fascioliasis of ruminants in Japan.
12865

LOCOMOTION
The effect of light on the circadian rhythm of locomotor activity in the house cricket (Acheta domesticus L.).
12439

LONGEVITY
Observations on tandem-running, tenacity and aggression in the Indian red ant, Oecophylla smaragdina Fabr..
12458

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Effect of insecticidal sprays on the longevity and fecundity of Eublemma amabilis Moore and Holcocera pulverea Meyr.
12493

Growth, longevity, and the frequency of feeding of Glossina pallidipes Austen.
12504

Metepa as a chemosterilant for adult female pink bollworms.
12507

Studies on the bacterial diseases of Sudan crops. VIII. Survival and dissemination of Xanthomonas phaseoli (E.F.Sm.) Dowson.
12657

Host specificity as evidenced by species of Fasciola.
12841

LONGIDORUS ELONGATUS
Transmission of strains of raspberry ringspot and tomato black ring viruses by Longidorus elongatus (de Man).
12662

LUMBER
Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

LUMBER PRESERVATIVES
Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

LYCOSA
A nonlinear model for transient responses from light-adapted wolf spider eyes.
12442

Nonlinear transient responses from light-adapted wolf spider eyes to changes in background illumination.
12443

LYGAEIDAE
Observations on Rhypodes chiwai Usinger (Hemiptera: Lygaeidae).
12553

LYMPH NODES
Observations on the ultrastructure of the spinal cord, spleen and lymph nodes of mice inoculated with scrapie.
12755

MACHILIDAE
Two new South African machilids of the genus Machiloides (Microcoryphia, Insecta).
12399

MACHILOIDES
Two new South African machilids of the genus Machiloides (Microcoryphia, Insecta).
12399

MACROPHAGES
The inactivation of Erysipelothrix rhusiopathiae in macrophages from normal and immune mice.
12804

MACROPHOMINA PHASEOLI
Differential response,of a few improved and local varieties as well as a hybrid line of jute to stem-rot (Macrophomina phaseoli) and anthracnose (Collectotrichum corchori). diseases.
12619

Corn stalk rot fungi in North Carolina.
12626

MACROSIPHUM
A preliminary account of Macrosiphum miscanthi Takahashi on grasses and cereals in New Zealand.
12678

MALAGASY REPUBLIC
Contribution to the study of the Culicidae of Madagascar. Description of larvae and nymphs of Culex (C.) giganteus Ventrillon and Culex (C.) argenteopunctatus argenteopunctatus Ventrillon. Comparative notes on the adults of the two species.
12425

MALARIA
Notes on the biology of Anopheles hargreavesi (Evans), 1927, and Anopheles paludis Theobald, 1900, in the south of Yaounde (Cameroon), along the Nyong river.
12508

An appraisal of adult mosquito trapping techniques used in Nigeria, West Africa.
12534

Entomological studies on the transmission of human malaria in a dense, humid forest zone, Sassandra region, Ivory Coast.
12580

New ecological data on vectors of human malaria in Africa.
12584

The zygotoblast and sporocyst indices in the valley of the Ruzizi.
12593

MALATHION
Failure of laboratory colonies of body lice to develop resistance to malathion.
12437

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Efficacy of malathion on wheat grains against Trogoderma granarium Everts at constant temperatures.
12527

Deformation of puparia of the housefly (Musca domestica L.) on treatment with organophosphorus insectisides.
12541

Control of adult mosquitoes in Alaska with malathion.
12589

Laboratory evaluation of malathion as a storage protectant for figs.
12879

MALEIC HYDRAZIDE
Effects of maleic hydrazide in purple nutsedge (Cyperus rotundus L.).
12898

MALPIGHIAN TUBES
Anatomical and histological changes in internal organs of adult Trypodendron lineatum, Gnathotrichus retusus and G. sulcatus (Coleoptera: Scolytidae).
12532

MAMMALS
Adaptation of some mammalian helminths in the light of helminthocoenoses.
12850

MANEB (ZINC ION)
Some important turf diseases.
12599

MANGANESE
Organic manuring for potato scab control and its relation to soil manganese.
12652

MANGOES
Effect of simulated rainfall on herbicide performance.
12708

Control of mango anthracnose by fungicides.
12873

MANSONIA
Transmission of Bancroft filariasis in the Ethiopian region.
12588

MARSILEA
On Phaeotrichoconis crotalariae occurring on Marsilea quadrifoliata in India.
12649

MAYETIOLA DESTRUCTOR
Race e, sixth race of the hessian fly, Mayetiola destructor, discovered in Georgia wheat fields.
12355

MAZZARD CHERRIES
Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

MEAT
Thermal resistance of Salmonella senftenberg 775W in dry animal feeds.
12780

MEDICAL ENTOMOLOGY
Revision of the genus Phlebotomus of Arica south of the Zambesi, key for the identification and description of: P. salisburiensis n. sp., P. zumpti n. sp. and P. haeselbarthi n. sp., (Diptera-Psychodidae).
12331

Geographic distribution of Anopheles in the Republic of Congo (Brazzaville).
12332

Tabanidae.
12336

Contribution to the study of the Culex of the Ethiopian region belonging to the sub-genus Mochthogenes (Diptera, Culicidae), with a description of the males of five new species.
12342

Contribution to the study of the Culicidae of the Ethiopian region. Description of Culex (Barraudius) richeti n. sp. Supplemental notes on Culex (B) pusillus Macquart and Culex (B.) modestus Ficalbi.
12343

The Anopheles claviger complex in the Mediterranean subregion.
12346

The age composition of Anopheles melas Theobald (1903) populations collected simultaneously by different methods in the Gambia, West Africa.
12352

Contribution to the study of the distribution of Anopheles in West Africa.
12354

Faunistic and ecological data on the fleas of Madagascar (Siphonaptera).
12363

Tabanidae (Diptera) of Morocco, III. description of Tabanus choumarae n. sp.
12364

Notes on the subject of South American Culicidae. the distribution of the genus Haemagogus Williston, 1896, in South America.
12366

Announcement of a map showing the distribution of Glossina in Eastern Cameroon.
12371

Taxonomic review, ecological and biological aspects of Diptera (Culicidae) living in the forest of Manera (Province of Kaffa) Ethiopia.
12373

Tabanidae of Cameroon. I. Description of new species.
12374

Anoplura of rodents and insectivores in the Central African Republic.
12376

Remarks on the taxonomy of mosquitoes.
12391

Phlebotomus moucheti (Diptera Psychodidae), a new species caught in the caves of Cameroon and in the Central African Republic.
12394

A ten year survey of Trinidadian arthropods for natural virus infections (1953-1963).(Abstract).
12403

Study of the stability of paper impregnated with oily solutions of OMS 33 (carbamate) and OMS 43 (oranophosphorous compound). Susceptibility of females of various species of African Culicidae to OMS 33 and OMS 43.
12420

Contribution to the study of the Culicidae of Madagascar. Description of larvae and nymphs of Culex (C.) giganteus Ventrillon and Culex (C.) argenteopunctatus argenteopunctatus Ventrillon. Comparative notes on the adults of the two species.
12425

Relationship between the physiological age and the behavior of mosquitoes.
12434

The occurrence in Madagascar of resistance to dieldrin in the form B of the Anopheles gambiae complex.
12435

Biological observations on the Anopheles gambiae complex. (Abstract).
12438

Description of the male, the larva and the nymph of Ficalbia (Etorleptiomyia) xanthozona van Someren, 1948 (Diptera, Culicidae).
12450

The problem of age determination in Anopheles melas Theo. 1903, by Polovodova's method.
12455

Mosquito control.
12457

Ecological and biological data on Synopsyllus fonquerniei Wagner and Roubaud, 1932 (Siphonaptera), a flea of the domestic rat in the region of Tananarive.
12484

On the effect of mating and nutrition on the reproduction of Culex pipiens fatigans Wiedemann.
12487

The peritrophic membranes in arthropods, their role in digestion and their intervention in the development of parasitic organisms.
12489

Intercurrent resting, a neglected aspect of mosquito behavior. (Abstract).
12494

Ecology of the mosquitoes in artificially irrigated meadows of Southern Moravia.
12503

Notes on the biology of Anopheles hargreavesi (Evans), 1927, and Anopheles paludis Theobald, 1900, in the south of Yaounde (Cameroon), along the Nyong river.
12508

Practical implications of insecticide resistance in culicine mosquitoes.
12509

An appraisal of adult mosquito trapping techniques used in Nigeria, West Africa.
12534

Contribution to the study of ectoparasites of vertebrates in the Central African Republic.
12544

Study of the morphological and anatomical characteristics of female Glossina and their relationship to physiological age.
12550

Resistance to dieldrin of Culex pipiens fatigans in the city of Bobo-Dioulasso (Upper Volta). Methods of study and genetic determinism.
12563

The causes of male sterility in A. gambiae A-B group crosses. (Abstract).
12568

Direct evidence for the specific distinctness of forms A, B and C of the Anopheles gambiae complex. (Abstract).
12570

Entomological studies on the transmission of human malaria in a dense, humid forest zone, Sassandra region, Ivory Coast.
12580

Epidemic role of ticks of the genera Dermacentor and Ixodes persulcatus P. Sch. in mountain foci of tick-borne encephalitis depending upon activity of their attacks on man.
12581

New ecological data on vectors of human malaria in Africa.
12584

Factors affecting the transmission of filariae: The effect of parasitization by Brugia malayi in laboratory populations of Aedes aegypti.
12586

The zygotoblast and sporocyst indices in the valley of the Ruzizi.
12593

MEGACHILE ROTUNDATA
Insect hormones: Their effects on diapause and development of Hymenoptera.
12465

MEIOSIS
Uncoupling of DNA and histone synthesis prior to prophase I of meiosis in the cricket Grillus (Acheta) domesticus L.
12417

Tetraploid females in Mormoniella.
12567

MELDANE
Effectiveness of Maretin and Meldane as treatments for Capillariasis in bobwhites.
12825

MELOIDOGYNE
Meloidogyne naasi on sorghum in Kansas.
12695

A survey of the coffee tree nematode, Meloidogyne coffeicola, in the State of Sao Paulo.
12698

MELOLONTHA MELOLONTHA
On the specificity of Vagoiavirus melolonthae.
12467

MERCAPTO COMPOUNDS
Product of catalyzing polyurethane formation by means of 2-mercaptobenzothiazoles,thiazoles, oxazoles, imidazoles and imidazolines. Patent 3,446,779.
12914

MERCURY COMPOUNDS
White root disease of Hevea in Africa, especially in the Ivory Coast.
12598

Pesticides residues in foodstuffs in Great Britain. VI. - Mercury residues in rice.
12892

MERMITHIDAE
On a new species of Agamermis (Mermithidae) of a bug in Poland.
12525

MESIDIA NIGRA
Observations on the biology of Mesidia nigra, a parasite of Iziphya punctata.
12488

MESOSTIGMATA
Contribution to the study of ectoparasites of vertebrates in the Central African Republic.
12544

METABOLISM
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

The metabolism of dihydrochlordene and related compounds by housefly (M. domestica L.) and pig liver microsomes.
12423

Raillietina cesticillus: Fatty acid composition.
12751

Plasmodium lophurae: (U-C14)-glucose catabolism by free plasmodia and duckling host erythrocytes.
12792

Lipid metabolism in helminth parasites. VII. Triglyceride synthesis in Hymenolepis diminuta (cestoda).
12821

The activity of alkaline phosphatase in the duck intestine during experimental echinostomatosis.
12823

Glucose uptake in Haematoloechus medioplexus and Gorgoderina trematodes.
12853

METABOLITES
DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

The influence of UC-21149 and the aphidiid parasite Aphidius smithi on populations of the pea aphid.
12690

METAMORPHOSIS
Morphological study on the instars of the alfalfa caterpillar , Colias lesbia (F.) (Lep., Picridae).
12441

The development of female gonads in pupae of Galleria mellonella L. (Lepidoptera).
12445

Insect neurometamorphis. IV. Effects of the brain and synthetic alpha-ecdysone upon interganglionic connective shortening in Galleria mellonella (L.) (Lepidoptera).
12516

METASTRONGYLUS
Metastrongylosis of swine originating from the Lublin Palatinate.
12860

METEPA
Metepa as a chemosterilant for adult female pink bollworms.
12507

METHIONINE
Relevance of methionine, cysteine, cystine and sulphate in artificial feeding of Neomyzus (Aulacorthum) circumflexus BUCKT. (Aphidae, Homoptera, Insecta).
12447

METHODOLOGY
Dry preparation of small soft skinned animals particularly arthropods, and of plant parts with dichlormethane-glacial acetic acid-silica gel..
12440

Application of ovitraps in the U. S. Aedes aegypti eradication program.
12468

An appraisal of adult mosquito trapping techniques used in Nigeria, West Africa.
12534

A device for protecting experimental huts from molestation.
12536

A method for the injection of chemicals into trees.
12660

Plant resistance to Myzus persicae induced by a plant regulator and measured by aphid relative growth rate.
12693

Compatibility of chemical and mechanical weed control methods.
12746

Diagnosis of classical swine plague and titration of antisera by passive hemagglutination.
12768

Colorimetric determination of 2,6-dichlord-4-nitroaniline (dichloran) residues in foods.
12890

Aflatoxins: Improved resolution by thin layer chromatography.
12907

A device for the drip application of insecticide concentrates.
12930

Ground application of pesticides.
12931

METHOXY-5-OXO-DELTA2-1,3,4-THIADIAZOLIN-4-YL)METHYL, O,O-DIMETHYL PHOSPHORODITHIOATE, S-((2-
Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

METHYL DEMETON
The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

Control of grape leaf blister mite (Eriophyes vitis (Pag.)) in the Stanthrope District, Queensland.
12680

METHYLSULFONYL)-2,6-DINITRO-N,N-DIPROPYLANILINE, 4-(
Leaching of trifluralin, benefin, and nitralin in soil columns.
12703

Gross morphological and cytological effects of nitralin on corn roots.
12721

METHYLSULFONYL-2,6-DINITRO-N,N-DIPROPYLANILINE, 4-
Herbicidal mixture and method of controlling undesirable plant growth therewith. Patent 3,443,927.
12926

MICE
A scorpion attacking a pygmy mouse.
12486

Gumbo Limbo, a new Group C arbovirus from the Florida Everglades.
12585

Observations on the ultrastructure of the spinal cord, spleen and lymph nodes of mice inoculated with scrapie.
12755

Trichinella spiralis: Establishment in Gnotobiotic mice affected by Bacillus mesentericus, B. subtilis.
12785

PAM 1392 (2,4-diamino-6-(3,4-dichlorobenzylamino) Quinazoline) as a Chemotherapeutic agent: Plasmodium berghei, P. cynomolgi, P. knowlesi, and Trypanosoma cruzi.
12803

The inactivation of Erysipelothrix rhusiopathiae in macrophages from normal and immune mice.
12804

On the evidence of infestation ability of ascarid eggs (Ascaris suum Goeze,1782) in strange hosts.
12820

Protective action of passively transferred immune serum and immunoglobulin fractions against tissue invasive stages of the dwarf tapeworm, Hymenolepis nana.
12827

Rats and mice enemies of production, hazard to health.
12880

Tetraethylammonium chloride as an antidote for certain insecticides in mice.
12893

MICROSOMES
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism hy housefly and pig liver microsomes.
12422

The metabolism of dihydrochlordene and related compounds by housefly (M. domestica L.) and pig liver microsomes.
12423

MICROSPORUM
Dermatophytes in veterinary practice.
12795

MILDEW
Some black mildew sooty mold and fly speck fungi and their hyperparasites from Dominica.
12594

Fungicidal activity and chemical constitution. xvi. The use of partition data for an analysis of the activities of alkyldinitrophenol fungicides against apple mildew.
12603

Grey mildew of cotton in Rajasthan.
12628

MILK
Investigation into the culturing of Salmonella and Shigella organisms from milk and milk product mediums of enrichment procedures. I. The inhibitory activity of the enrichment substrate on the milk organisms.
12884

MILLET
Bacterial burning of leaves, a new disease in millet in Brazil.
12610

MINERAL OIL
Insecticidal control of citrus pests in coastal central Queensland.
12684

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

MINERALS
Chemical factors of water in tree holes and related breeding of mosquitoes.
12512

MITES
Acarina associated with Michigan Bombinae.
12359

Observations on Rhypodes chiwai Usinger (Hemiptera: Lygaeidae).
12553

Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

Insecticidal control of citrus pests in coastal central Queensland.
12684

MITOCHONDRIA
Soybean mitochondrial response to prometryne and fluometuron.
12731

Effects of 2,4-D and other herbicides on oxidative phosphorylation in mitochondria from cabbage.
12902

MITOSIS
Tobacco mosaic virus in dividing mesophyll cells of Nicotiana.
12607

MOLDS
Some black mildew sooty mold and fly speck fungi and their hyperparasites from Dominica.
12594

MOLLUSCACIDES
Studies on the control of Galba truncatula in large pastures. II. The effect of snail control on the extensiveness of infection in cattle.
12862

MOLLUSKS
Host specificity as evidenced by species of Fasciola.
12841

MOLTING (INSECTS)
Relationship of size of fecal pellets to larval molts in Lepidoptera.
12529

MONKEYS
A device for protecting experimental huts from molestation.
12536

PAM 1392 (2,4-diamino-6-(3,4-dichlorobenzylamino) Quinazoline) as a Chemotherapeutic agent: Plasmodium berghei, P. cynomolgi, P. knowlesi, and Trypanosoma cruzi.
12803

MONURON
Weed control in a winter wheat-fallow rotation.
12711

Metabolic fate of monuron and diuron in isolated leaf discs.
12909

MORPHOLOGY
The effect of hydrochloric acid and gastric juice on some morphological changes of Trichomonas intestinalis.
12771

Spirurata of animals and humans and their diseases.
12858

MORTALITY
The regulation of population density in the bark beetle Scolytus scolytus (F.).
12411

A study of the mortality factors acting upon Cyzenis albicans (Fall.), a tachinid parasite of the winter moth (Operophtera Brumata (L.)).
12462

Toxicity of certain pyrethroids and carbamates to the CS strain of Oncopeltus fasciatus.
12469

X-ray radiation effects on survival and sterility of adults of the cereal leaf beetle.
12500

Observations on Rhypodes chiwai Usinger (Hemiptera: Lygaeidae).
12553

Competition and survival among the corn earworm, the tobacco budworm, and the Fall armyworm.
12555

MOSAIC
A note on barley mosaic in India.
12604

Tobacco mosaic virus in dividing mesophyll cells of Nicotiana.
12607

Relation of tobacco mosaic virus to the host cells.
12608

Inhibition of tobacco mosaic virus infectivity by the fungus Thielaviopsis basicola (Berk. Br.) Ferr..
12615

MOTTLE
Epidemiology of cocksfoot mottle virus.
12664

MULCHES
Incorporation of dychlobenil in mulches.
12726

MUSCA
Ecological specificity of intermediate hosts of Thelazia in cattle and the relation of their infective larvae to some unusual hosts.
12864

MUSCA AUTUMNALIS
Laboratory studies of the mating habits of the face fly.
12482

MUSCA DOMESTICA
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

The metabolism of dihydrochlordene and related compounds by housefly (M. domestica L.) and pig liver microsomes.
12423

Comparative effects of reserpine and serotonin creatine sulfate on oviposition in the house fly.
12463

The potentiation between thanite and arprocarb in their action on houseflies.
12464

DDT-DEHYDROCHLORINASE and aldrin-epoxidase aetivity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies.
12501

Organophosphorus compounds. VI. -Structure and activity of certain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of certain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related compounds.
12514

House fly response to fluoreseent lamps: Influenced by fly age and nutrition, air temperature, and position of lamps.
12515

Deformation of puparia of the housefly (Musca domestica L.) on treatment with organophosphorus insectisides.
12541

Fly control in cage layer houses.
12813

MUSCLES
A comparative study on the fine structure of the basalar muscle of the wing and the tibial extensor muscle of the leg of the lepidopteran Achalarus lyciades.
12522

Contribution to an improved diagnostic (test) for bovine Cysticercosis.
12756

Local and regional application of hydrogen peroxide in the control of clostridial myositis in rabbits.
12770

Invasion experiments with trichinella spiralis in fowls.
12851

MUTATION
A deviant sex ratio in Drosophila melanogaster.
12564

MYCOBACTERIUM TUBERCULOSIS
The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. II. Studies on Mycobacterium tuberculosis (BCG).
12778

The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. I. Mycobacterium tuberculosis avium.
12779

MYCOPLASMA
Antigenic properties of Mycoplasma organisms and membranes.
12748

Severe coccidiosis in a breeder flock following high-level medication for Mycoplasma and coccidia control.
12786

Growth inhibition test for identification of Mycoplasma species utilizing dried antiserum-impregnated paper dises.
12796

Effect of diethylaminoethyl dextran on the growth of Mycoplasma in agar.
12802

MYCOPLASMA MELEAGRIDIS
Studies on the control of Mycoplasma meleagridis in turkeys.
12784

Experimentally induced Mycoplasma meleagridis infection of turkey reproductive tracts.
12787

MYCOPLASMA MYCOIDES
The persistence of Mycoplasma mycoides in the host after vaccination with T1 broth vaccine.
12761

MYCOPLASMA PULMONIS
Characterization of Mycoplasma pulmonis variants isolated from rabbits. I. Identification and properties of isolates.
12762

Characterization of Mycoplasma pulmanis variants isolated from rabbits. II. Basis for differentiation of antigenic subtypes.
12763

MYCOPLASMA SYNOVIAE
Preparation of Mycoplasma synoviae hemagglutination-inhibition.
12807

MYCOSIS
Dermatophytes in veterinary practice.
12795

MYCOSPHAERELLA AREOLA
Grey mildew of cotton in Rajasthan.
12628

MYZUS PERSICAE
Reproductive capacity of the green peach aphid on Maryland tobacco.
12461

Entomology.
12688

Plant resistance to Myzus persicae induced by a plant regulator and measured by aphid relative growth rate.
12693

NAJAS GUADALUPENSIS
Ecology of submersed aquatic weeds in south Florida canals.
12706

NALED
Evaluation of multi-engine aireraft in the ULV application of dibrom.
12587

NASONIA
Tetraploid females in Mormoniella.
12567

NASONIA VITRIPENNIS
Accessory nuclei and annulate lamellae in hymenopteran oocytes.
12483

NATURAL CONTROL (INSECTS)
Records of parasites of sunnhemp shoot-borer, Laspeyresia tricentra Meyr. (Tortricidae: Lepidoptera) in Uttar Pradesh.
12682

Arthropods in the diet of the cattle egret, Bubulcus ibis, in southern Louisiana.
12812

NECROTIC YELLOWS
The feeding sites in Sonchus oleraceus of Hyperomyzus lactucae, the aphid vector of lettuce necrotic yellows virus.
12635

NEMATOCIDES
Meloidogyne naasi on sorghum in Kansas.
12695

NEMATODE INFESTATION
Factors affecting the transmission of filariae: The effect of parasitization by Brugia malayi in laboratory populations of Aedes aegypti.
12586

Fascioliasis of ruminants in Japan.
12865

NEMATODES
Inhibition of Ostertagia ostertagi at the early fourth larval stage. I. The seasonal incidence.
12816

On the evidence of infestation ability of ascarid eggs (Ascaris suum Goeze,1782) in strange hosts.
12820

On the focus of trichinellosis of swine with epidemiologic implications.
12822

An effective anthelmintic in treatment of quail infected with Capillaria contorta.
12824

Specificity of the intestinal stage in the development of Trichinella spiralis.
12844

Invasion experiments with trichinella spiralis in fowls.
12851

Spirurata of animals and humans and their diseases.
12858

Critical trials on the efficacy of thiabendazole against Ostertagia ostertagi, Cooperia oncophora, and Nematodirus helvetianus.
12859

Bromodifluoronitromethane for the control of insects, fungi and nematodes. Patent 3,445,576.
12917

NEMATODIRUS HELVETIANUS
Critical trials on the efficacy of thiabendazole against Ostertagia ostertagi, Cooperia oncophora, and Nematodirus helvetianus.
12859

NEOMYZUS
Relevance of methionine, cysteine, cystine and sulphate in artificial feeding of Neomyzus (Aulacorthum) circumflexus BUCKT. (Aphidae, Homoptera, Insecta).
12447

NEPHOTETTIX
Two new Malayan species of the genus Nephotettix (Hemiptera: Cicadellidae).
12360

NERVES
Insect neurometamorphis. IV. Effects of the brain and synthetic alpha-ecdysone upon interganglionic connective shortening in Galleria mellonella (L.) (Lepidoptera).
12516

NERVOUS SYSTEM
The role played by the neurons of the brain in the circadian behavior rhythm of Gryllus domesticus L.
12407

NESTING HABITS
The nesting activities of the vespoid potter wasp Eumenes campaniformis csuriens (Fabr.) compared with the ecologically similar sphecoid Sceliphron madraspatanum (Fabr.) (Hymenoptera).
12470

NEWCASTLE DISEASE VIRUS
Attenuation of the hog cholera virus by continuous cell-virus propagation. III. Growth interference of Newcastle disease virus by attenuated hog cholera virus and its application to virus titration and the neutralization test.
12790

Immunization of chickens against Newcastle disease with beta-propiolactone-killed virus antigen administered in drinking water.
12797

NICOTINE
Tetraethylammonium chloride as an antidote for certain insecticides in mice.
12893

NIGROSPORA ORYZAE
Corn stalk rot fungi in North Carolina.
12626

NIPPOSTRONGYLUS BRASILIENSIS
Synthesis and experimental investigation of a new anthelminthic, monopar.
12896

NITIDULIDAE
Bionomics of Carpophilus foveicollis Murr. in pineapple.
12542

NITRATED PHENOLS
Dinitrophenylpropanols having herbicidal properties. Patent 3,444,244.
12923

NITROGEN
Interrelation of stem borer incidence and certain agronomic traits in Jaunpur variety of maize under different levels of nitrogen.
12686

Studies of cereal nematode populations and cereal yields under continuous or intensive culture.
12699

Ecology of submersed aquatic weeds in south Florida canals.
12706

NOCTUIDAE
Middle East Lepidoptera--XXIV: Beihania, a new noctuid genus from southern Arabia with two new species from Arabia and Somaliland.
12397

Responses of spotted cutworm larvae to various intesities and wavelengths of light.
12505

A laboratory rearing of Paraseotia fuliginaria L. (Lep., Noctuidae).
12510

NODULES (PLANTS)
Organic matter--amiben interaction on nodulation and growth of soybeans.
12736

NOMENCLATURE
The first instar larvae of the genus Trixa Meigen and remarks on the systematies and nomenclature of this genus (Diptera, Larvaevoridae).
12401

Specificity of the parasites from the ecological point of view.
12868

NOMIA MELANDERI
Insect hormones: Their effeets on diapause and development of Hymenoptera.
12465

NONANES
Amino substituted tricyclo (3.2.2.02,4)nonanes. Patent 3,444,199.
12927

NOSEMA
Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Coleoptera).
12540

NUCLEIC ACIDS
The development of female gonads in pupae of Galleria mellonella L. (Lepidoptera).
12445

NUTRIENT SOLUTIONS (PLANTS)
Interaction of nutrients and four antifungal antibiotics in their effects of Pythium species in vitro and in soil.
12910

NUTRITION
Effect of diethylaminoethyl dextran on the growth of Mycoplasma in agar.
12802

Hymenolepis diminuta: Effect of quality of host dietary carbohydrate on growth.
12829

NYMPHALIDAE
Trail laying by larvae of Chlosyne lacinia.
12430

A large migration of the Australian painted lady butterfly, Vanessa kershawi (McCoy), to New Zealand.
12454

A note on Vanessa kershawi (McCoy) in Auckland. Presenting evidence of an unusual host plant.
12519

NYMPHS
Deseription of immature stages of Coreidae. 2. Acanthocephala terminalis.
12400

OATS
Studies of cereal nematode populations and cereal yields under continuous or intensive culture.
12699

Effect of aetivated earbon on the phytotoxicity of herbieides in a tropieal soil.
12709

The influence of soil charaeteristies on the adsorption and phytotoxicity of simazine.
12716

Leaching of seven s-Triazines.
12737

ODONATA
Observations on certain dragonflies (Odonata) in central Scotland.
12492

OIDIUM
The economics of disease control in Hevea.
12646

OIL INSECTICIDE COMBINATIONS
Study of the stability of paper impregnated with oily solutions of OMS 33 (earbamate) and OMS 43 (oranophosphorous compound). Suseeptibility of females of various speeies of African Culieidae to OMS 33 and OMS 43.
12420

OLFACTORY RESPONSE
Studies on the olfactory stimuli guiding the bark beetle Blastophagus piniperda L. (Coleoptera, Scolytidae) to its host tree.
12476

OLIVE OIL
Egg-yolk and olive juice as supplements to the yeast hydrolyzate-suerose diet for adults of Daeus oleae.
12446

ONCOGENIC VIRUSES
Susceptibility of various strains of chicken to the oneogenicity of Yaba virus.
12798

ONCOPELTUS FASCIATUS
Toxieity of eertain pyrethroids and earbamates to the CS strain of Oneopeltus fasciatus.
12469

OOGENESIS
Inhibition of ovary development of the fruit-fly, Drosophila melanogaster by synthetic queen substance .
12528

Blood meals and egg production of Culiseta alaskaensis (Ludlow) in eaptivity (Diptera: Culicidae).
12538

OPEROPHTERA BRUMATA
A study of the mortality factors acting upon Cyzenis albicans (Fall.), a tachinid parasite of the winter moth (Operophtera Brumata (L.)).
12462

OPISTHORCHIS
Relation among liver fluke populations in eattle and the results of eoprological examinations.
12849

ORGANIC SOILS
Organic matter--amiben interaction on nodulation and growth of soybeans.
12736

ORGANOPHOSPHORUS COMPOUNDS
Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

Study of the stability of paper impregnated with oily solutions of OMS 33 (earbamate) and OMS 43 (oranophosphorous compound). Susceptibility of females of various species of African Culicidae to OMS 33 and OMS 43.
12420

Laboratory inseetieide tests against the Fall webworm.
12429

Failure of laboratory colonies of body lice to develop resistanee to malathion.
12437

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Praetieal implieations of inseetieide resistance in eulicine mosquitoes.
12509

Organophosphorus compounds. VI. -Structure and activity of eertain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of eertain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related eompounds.
12514

Efficaey of malathion on wheat grains against Trogoderma granarium Everts at constant temperatures.
12527

Deformation of puparia of the housefly (Musca domestiea L.) on treatment with organophosphorus inseetisides.
12541

Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

Promising ehemieals for control of adult mosquitoes.
12583

Evaluation of multi-engine aircraft in the ULV application of dibrom.
12587

Control of adult mosquitoes in Alaska with malathion.
12589

New insectieides evaluated as nonthermal aerosols against Aedes taeniorhynchus (Wiedemann).
12590

Control of Oriental rat flea in Vietnam with diazinon dust.
12591

Pear Psylla control studies.
12669

The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

Laboratory and field tests in 1966--67 on chemical control of wireworms (Agriotes spp.).
12671

Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

Summer control of grape--vine scale (Euleeanium persicae (F.)) in the Stanthrope District, Queensland.
12679

Control of grape leaf blister mite (Eriophyes vitis (Pag.)) in the Stanthrope District, Queensland.
12680

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

Nonstaining phenylenedimethylene-bis-(triphenylphosphonium) salt - inactivated hog eholera virus vaccine. Patent 3,455,782.
12753

Fly control in cage layer houses.
12813

Laboratory evaluation of malathion as a storage protectant for figs.
12879

Tetraethylammonium chloride as an antidote for certain insecticides in mice.
12893

ORGANOTIN COMPOUNDS
Compositions containing organotin metal earboxylate antimicrobials.
12921

ORNAMENTAL PLANTS
Uromyces eostarieensis - A new report for the continental United States.
12629

OROBANCHE
Control of broomrape in peas and earrot crops.
12733

ORTHOPTERA
Arthropods in the diet of the cattle egret, Bubulcus ibis, in southern Louisiana.
12812

ORYZAEPHILUS MERCATOR
Laboratory evaluation of malathion as a storage protectant for figs.
12879

ORYZAEPHILUS SURINAMENSIS
Laboratory evaluation of malathion as a storage protectant for figs.
12879

OSTERTAGIA OSTERTAGI
Inhibition of Ostertagia ostertagi at the early fourth larval stage. I. The seasonal incidence.
12816

Critical trials on the efficacy of thiabendazole against Ostertagia ostertagi, Cooperia oncophora, and Nematodirus helvetianus.
12859

OSTRINIA NUBILALIS
Maternal age as an ecological factor in the population dynamics of the European corn borer, Ostrinia nubilalis.
12520

OULEMA MELANOPUS
X-ray radiation effects on survival and sterility of adults of the cereal leaf beetle.
12500

OVARIES
Inhibition of ovary development of the fruit-fly, Drosophila melanogaster by synthetic queen substance .
12528

Evidence of transovarial passage of the sowthistle yellow vein virus in the aphid Hyperomyzus lactucae.
12689

Salmonella infections of the ovary and peritoneum of chickens.
12794

OVIPOSITION
Note on breeding of fruit flies Dacus ciliatus Loew and D. cucurbithe Coquillett in stem galls of Coccinia indica W. and A.
12413

Factors influencing Aedes aegypti occurrence in containers.
12418

Further studies on the pollination ecology of Ficus sycomorus L. (Hymenoptera, Chalcidoidea, Agaonidae).
12453

Comparative effects of reserpine and serotonin creatine sulfate on oviposition in the house fly.
12463

Notes on the biology of Culex territans Walker.
12496

The exploitation and conservation of resources by populations of insects.
12498

Oviposition traps and population sampling for the distribution of Aedes aegypti (L.).
12543

OVULATION
Purification of the male factor increasing egg deposition in D. melanogaster.
12490

OXIDASES
DDT-DEHYDROCHLORINASE and aldrin-epoxidase activity in corn earworm and polyphemus moth larvae, and house fly adults.
12480

PAINTS
Compositions containing organotin metal carboxylate antimicrobials.
12921

Reduction of sorption in ethylene dibromide fumigation chambers.
12928

PANICUM
Atrazine versus atrazine plus oil.
12719

PANONYCHUS CITRI
Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

PARA-CHLOROPHENOXYACETIC ACID
A note on the compatibility of endrin with parachlorophenoxy acetic acid and boron in relation to mustard aphid infestation.
12685

PARADICHLOROBENZENE
Influence of temperature on the effectiveness of paradichlorobenzene fumigation of black carpet beetle larvae.
12874

PARAQUAT
Effect of simulated rainfall on herbicide performance.
12708

PARASITIC INSECTS
The regulation of population density in the bark beetle Scolytus scolytus (F.).
12411

A new parasite of the vegetable weevil in southern California.
12436

A study of the mortality factors acting upon Cyzenis albicans (Fall.), a tachinid parasite of the winter moth (Operophtera Brumata (L.)).
12462

Observations on the biology of Mesidia nigra, a parasite of Iziphya punctata.
12488

The causes of sexual differences in the size of Aphelinus asychis Walker (Hym., Aphelinidae).
12502

Parasitism associated with brachypterous males in the sugarcane leafhopper, Perkinsiella vitiensis.
12506

Observations on Rhypodes chiwai Usinger (Hemiptera: Lygaeidae).
12553

Records of parasites of sunnhemp shoot-borer, Laspeyresia tricentra Meyr. (Tortricidae: Lepidoptera) in Uttar Pradesh.
12682

Bionomics of Hellula undalis Fb., the cabbage borer (Pyralidae: Lepidoptera) at Jabalpur.
12683

The influence of UC-21149 and the aphidiid parasite Aphidius smithi on populations of the pea aphid.
12690

PARASITISM
Tabanidae.
12336

On two mites of economic importance in Japan (Arachnida: Acarina).
12349

Faunistic and ecological data on the fleas of Madagascar (Siphonaptera).
12363

A new Japanese species of Trioza from Machilus thunbergii, with descriptions of the immature stages and notes on biology (Hemiptera: Psyllidae).
12369

Shot-hole borer of tea plant in Japan.
12475

Ecological and biological data on Synopsyllus fonquerniei Wagner and Roubaud, 1932 (Siphonaptera), a flea of the domestic rat in the region of Tananarive.
12484

The peritrophic membranes in arthropods, their role in digestion and their intervention in the development of parasitic organisms.
12489

Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Coleoptera).
12540

Parasites of mosquitoes in southwestern Wyoming and northern Utah.
12549

Transmission of Hamosporidiorida by cave-dwelling Anopheles in the grottos of the Congo.
12577

Factors affecting the transmission of filariae: The effect of parasitization by Brugia malayi in laboratory populations of Aedes aegypti.
12586

Transmission of Bancroft filariasis in the Ethiopian region.
12588

The transmission of Bancroft filariasis (subperiodic form) in the islands of the South Pacific.
12592

The zygotoblast and sporocyst indices in the valley of the Ruzizi.
12593

On the host specificity of ascarids of human and pig origin.
12847

On the specificity of the nematode Trichocephalus suis Schrank,1788.
12848

Adaptation of some mammalian helminths in the light of helminthocoenoses.
12850

Paratenic parasitism as an indicator of the specificity of the definite host in some trematodes.
12852

The homeostasis of the host and the development of the parasite.
12854

Parasite specificity as the result of ecological parasite-host relations.
12855

The specificity of helminths from an ecological aspect.
12857

Immunity to parasites.
12863

Fascioliasis of ruminants in Japan.
12865

Specificity of the parasites from the ecological point of view.
12868

PARATHION
Control of grape leaf blister mite (Eriophyes vitis (Pag.)) in the Stanthrope District, Queensland.
12680

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

PARDOSA
Observations on predation by the wasp Anoplius ithaca (Pompilidae) on the wolf spider, Dardosa groenlandica (Lycosidae).
12523

PARSNIPS
The effect of linuron on 32P and 45Ca uptake in tomato and parsnip.
12724

PARTHENOGENESIS
On the host specificity of parthenogenetic stages of Fasciola hepatica under laboratory conditions.
12866

PASTURE MANAGEMENT
Round worm infestation in calves.
12842

PASTURES
Inhibition of Ostertagia ostertagi at the early fourth larval stage. I. The seasonal incidence.
12816

Studies on the control of Galba truncatula in large pastures. II. The effect of snail control on the extensiveness of infection in cattle.
12862

PATENTS
Control of acarids with triphenyl tin compounds. patent 3,445,575.
12545

Nonstaining phenylenedimethylene-bis-(triphenylphosphonium) salt - inactivated hog cholera virus vaccine. Patent 3,455,782.
12753

N-alkanoyloxyphenoxyalkanamides as herbicides. Patent 3,446,613.
12911

Beta-dialkylaminoalkyl ethers and thiocthers. Patent 3,446,843.
12912

Product of catalyzing polyurethane formation by means of 2-mercaptobenzothiazoles,thiazoles, oxazoles, imidazoles and imidazolines. Patent 3,446,779.
12914

Dimer of 2,2,3,4,5,6-hexachlorocyclohexadienone. Patent 3,444,207.
12915

2-tri- (mixed) halomethyl benzimidazoles- Patent 3,448,115.
12916

Bromodifluoronitromethane for the control of insects, fungi and nematodes. Patent 3,445,576.
12917

N-polyhaloalkylthio compounds as fungicidal agents. Patent 3,444,300.
12918

Process for producing an antifungal and antiprotozoal substance. Patent 3,458,402.
12919

Method of preventing influenza viral infections. Patent 3,444,302.
12920

Compositions containing organotin metal carboxylate antimicrobials.
12921

Novel process for the preparation of transchrysanthemumic acid. Patent 3,445,499.
12922

Dinitrophenylpropanols having herbicidal properties. Patent 3,444,244.
12923

Methods of manufacturing 2,6-dichlorobenzamide. Patent 3,444,166 (United States).
12924

Herbicidal mixture and method of controlling undesirable plant growth therewith. Patent 3,443,927.
12926

Amino substituted tricyclo (3.2.2.02,4)nonanes. Patent 3,444,199.
12927

PATHOLOGY

Studies on the bacterial diseases of Sudan crops. VIII. Survival and dissemination of Xanthomonas phaseoli (E.F.Sm.) Dowson.
12657

Pathomorphological and histochemical studies of livers of sheep experimentally infected with the liver fluke.
12856

Mctastrongylosis of swine originating from the Lublin Palatinate.
12860

PEACHES

Reactions of two precocious peach varieties to the elimination of ring spot viruses.
12659

PEANUTS

Evaluation of peanut (Arachis hypogaea) varieties for Verticillium wilt resistance.
12609

PEARLMILLET

Effect of relative humidity and length of storage period upon fungal invasion and germination percentage of bajra seeds.
12869

PEARS

Yuzuhada, a physiological disorder of oriental pear, and its possible relation to black-end and hard-end of Bartlett.
12656

Pear Psylla control studies.
12669

PEAS

Control of broomrape in peas and carrot crops.
12733

Effect of gibberellin A3 on concentration of DNA, RNA, and protein in pea plant (Pisum sativum L.).
12906

PEBULATE

Adsorption, volatility, and migration of Thiocarbamate herbicides in soils.
12886

PECTINOPHORA GOSSYPIELLA

Isolation of N, N-diethyl-m-toluamide (deet) from female pink bollworm moths.
12471

Metepa as a chemosterilant for adult female pink bollworms.
12507

PEDICULUS HUMANUS HUMANUS

Failure of laboratory colonies of body lice to develop resistance to malathion.
12437

PEGOMYA HYOSCYAMI

Laboratory rearing of the spinach leaf miner Pegomyia hyoscyami Panz.
12518

PENETRATION

An electron microscopy study of the penetration of tobacco mosaic virus into leaves following experimental inoculation.
12611

PENTACHLOROPHENOL

Effect of simulated rainfall on herbicide performance.
12708

Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

PEPPERS

Occurrence of gray leafspot on peppers in Florida.
12597

PERIPLANETA BRUNNEA

Note on the brown cockroach, Periplaneta brunnea, in Texas.
12348

PERITONEUM

Salmonella infections of the ovary and peritoneum of chickens.
12794

PERITROPHIC MEMBRANE

The peritrophic membranes in arthropods, their role in digestion and their intervention in the development of parasitic organisms.
12489

PERKINSIELLA SACCHARICIDA

Parasitism associated with brachypterous males in the sugarcane leafhopper, Perkinsiella vitiensis.
12506

PERSIMMONS

Woody plant shoot management and response to herbicidal treatment.
12745

PEST CONTROL

A device for protecting experimental huts from molestation.
12536

Studies on the control of Galba truncatula in large pastures. II. The effect of snail control on the extensiveness of infection in cattle.
12862

Rats and mice enemies of production, hazard to health.
12880

Bromodifluoronitromethane for the control of insects, fungi and nematodes. Patent 3,445,576.
12917

Pest control machinery in Japan.
12932

PESTICIDE APPLICATION

Ground application of pesticides.
12931

PESTICIDE RESIDUES

Persistence of dichlobenil an SD-7961 in soil.
12739

Pesticides residues in foodstuffs in Great Britain. VI. - Mercury residues in rice.
12892

PESTICIDES

Compositions containing organotin metal carboxylate antimicrobials.
12921

Ground application of pesticides.
12931

Be alert to pesticide use changes.
12935

PETROLATUM

White root disease of Hevea in Africa, especially in the Ivory Coast.
12598

PETS

Dermatophytes in veterinary practice.
12795

PHAEOTRICHOCONIS CROTALARIAE

On Phaeotrichoconis crotalariae occurring on Marsilea quadrifoliata in India.
12649

PHASE-CONTRAST MICROSCOPY

Characterization of Mycoplasma pulmonis variants isolated from rabbits. I. Identification and properties of isolates.
12762

PHENOXY ACID COMPOUNDS

Practical implications of insecticide resistance in culicine mosquitoes.
12509

Woody plant shoot management and response to herbicidal treatment.
12745

PHEROMONES

Sex pheromone gland in the potato tuberworm moth, Phthorimaea operculella.
12402

Responses of Ips confusus to synthetic sex pheromones in nature.
12424

Isolation of N, N-diethyl-m-toluamide (deet) from female pink bollworm moths.
12471

Inhibition of ovary development of the fruit-fly, Drosophila melanogaster by synthetic queen substance .
12528

Sex pheromone of the eri-silkworm moth, Philosamia cynthia ricini Donovan (Lepidoptera: Saurniidae).
12548

PHLEBOTOMUS

Revision of the genus Phlebotomus of Arica south of the Zambesi, key for the identification and description of: P. salisburiensis n. sp., P. zumpti n. sp. and P. haeselbarthi n. sp., (Diptera-Psychodidae).
12331

Phlebotomus moucheti (Diptera Psychodidae), a new species caught in the caves of Cameroon and in the Central African Republic.
12394

PHLOEM

Studies on the olfactory stimuli guiding the bark beetle Blastophagus piniperda L. (Coleoptera, Scolytidae) to its host tree.
12476

Virus particles in phloem exudate from Cucumis sativus L. after infection by Cucumis Virus 2 A.
12623

The feeding sites in Sonchus oleraceus of Hyperomyzus lactucae, the aphid vector of lettuce necrotic yellows virus.
12635

PHORATE

The control of Aphis fabae Scop. on spring-sown field beans (Vicia faba L.).
12670

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

PHORMIA REGINA
Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies.
12501

PHOSALONE
Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

PHOSPHATES
Plasmodium gallinaceum: Chicken erythrocyte survival as determined by sodium radiochromate and Di-isopropylfluorophosphate labeling.
12810

PHOSPHORUS
The effect of linuron on 32P and 45Ca uptake in tomato and parsnip.
12724

PHOSPHORUS ISOTOPES
Distribution of the corn earworm on St. Croix, U.S. Virgin Islands, and its relation to suppression programs.
12387

PHOTOCHEMISTRY
Photochemical degradation of diquat.
12925

PHOTOPERIODISM
The effect of light on the circadian rhythm of locomotor activity in the house cricket (Acheta domesticus L.).
12439

Photoperiodism in relation to development and reproduction in the green stink bug.
12554

PHOTOSENSITIZATION
A nonlinear model for transient responses from light-adapted wolf spider eyes.
12442

Nonlinear transient responses from light-adapted wolf spider eyes to changes in background illumination.
12443

PHOTOTROPISM
Responses of spotted cutworm larvae to various intesities and wavelengths of light.
12505

PHRAGMITES COMMUNIS
Studies on Claviceps purpurea (Fr.) Tul. parasitic on Phragmites communis Trin..
12627

PHTHORIMAEA OPERCULELLA
Sex pheromone gland in the potato tuberworm moth, Phthorimaea operculella.
12402

PHYCITIDAE
Notes on insects infesting pine cones in Mississippi.
12681

PHYSALOSPORA RHODINA
Influence of temperature on Botryodiplodia rot of citrus and sapodilla.
12872

PHYSIOLOGY
Fine structure and electron cytochemical studies of Sclerotium rolfsii Sacc.
12631

Trypanosoma cruzi: Effects of gamma radiation on growth and infectivity.
12781

Eimeria tenella: Temperature and asexual development in cell culture.
12799

Inhibition of Ostertagia ostertagi at the early fourth larval stage. I. The seasonal incidence.
12816

Experimental fascioliasis in small mammals: Apparent effects of bithionol on Fasciola hepatica in rats.
12826

Protective action of passively transferred immune serum and immunoglobulin fractions against tissue invasive stages of the dwarf tapeworm, Hymenolepis nana.
12827

Growth rate of two Taenia crassiceps strains.
12828

Hymenolepis diminuta: Effect of quality of host dietary carbohydrate on growth.
12829

Specificity in Angiostronylus vasorum (Baillet,1866).
12833

Basic factors conditioning the specificity of the helminth invasion cycle.
12836

The development of Amidostomum anseris (Zeder, 1800) in the organism of Columba livia domi.
12838

Specificity of the intestinal stage in the development of Trichinella spiralis.
12844

On the specificity of the nematode Trichocephalus suis Schrank,1788.
12848

Glucose uptake in Haematoloechus medioplexus and Gorgoderina trematodes.
12853

PHYTOPHAGOUS INSECTS
Laboratory rearing of the spinach leaf miner Pegomyia hyoscyami Panz.
12518

PHYTOPHTHORA
The economics of disease control in Hevea.
12646

PHYTOPHTHORA CINNAMOMI
Saponins in relation to the control of avocado root rot with alfalfa meal.
12666

PHYTOTOXICITY
Effect of simulated rainfall on herbicide performance.
12708

Effect of activated carbon on the phytotoxicity of herbicides in a tropical soil.
12709

Importance of root, shoot, and seed exposure on the herbicidal activity of EPTC.
12722

Phytotoxicity and movement of amiben derivatives in soil.
12729

Response of oak and red maple to herbicides applied with an injector.
12742

Foliar and root absorption of atrazine applied postemergence to giant foxtail.
12744

Phytotoxicity of dithiocarbamate fungicides on Worcester Pearmain.
12871

Effects of 2,4-D and other herbicides on oxidative phosphorylation in mitochondria from cabbage.
12902

PICLORAM
Control of live oak by herbicides applied at various rates and dates.
12707

Effect of simulated rainfall on herbicide performance.
12708

Effect of activated carbon on the phytotoxicity of herbicides in a tropical soil.
12709

A cucumber bioassay test for the soil residues of certain herbicides.
12718

Winged elm control with picloram and 2,4,5-T with and without additives.
12720

Response of oak and red maple to herbicides applied with an injector.
12742

PIGEONS
Pigeon failure as vector of fowl cholera in turkeys.
12752

On a new cestode, Raillietina (Raillietina) streptopeliae sp. n. from red turtle dove, Streptopelia tranquebarica tranquebarica.
12834

The development of Amidostomum anseris (Zeder, 1800) in the organism of Columba livia domi.
12838

PINE CONES
A light-trap bag for collecting live insects.
12378

Notes on insects infesting pine cones in Mississippi.
12681

PINEAPPLES
Bionomics of Carpophilus foveicollis Murr. in pineapple.
12542

PINUS
A light-trap bag for collecting live insects.
12378

Studies on the olfactory stimuli guiding the bark beetle Blastophagus piniperda L. (Coleoptera, Scolytidae) to its host tree.
12476

Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

PINUS CONTORTA LATIFOLIA
Cronartium comandrae in the Rocky Mountain States.
12625

PINUS HALEPENSIS
A blight of Aleppo pine (Pinus halepensis).
12655

PIPERAZINE
Chemoprophylactic sanitation of enterobes.
12840

PIRICULARIA ORYZAE
Screening for padi blast disease resistance in West Malaysia.
12661

PIROPLASMOSIS
Bovine babesiosis: The immunity of calves to Babesia bigemina infection.
12773

PLAGUE
Control of Oriental rat flea in Vietnam with diazinon dust.
12591

PLANT BIOCHEMISTRY
Degradation of turnip yellow mosaic virus by freezing and thawing in vitroi A new method for studies on the internal organization of the viral components and for isolating native RNA.
12620

Relation between the beta-glucosidases and fungus infection in corn.
12630

In situ breakage of turnip yellow mosaic virus RNA and in situ aggregation of the fragments. Analysis of successive stages.
12648

Effect of several herbicides on proteolytic activity of squash seedlings.
12704

Environmental influence on bentgrass treated with silvex.
12712

The effect of linuron on ion uptake in corn, soybean, and crabgrass.
12732

Superficial scald, a functional disorder of stored apples. IV. - Effect of variety, maturity, oil wraps and diphenylamine on the concentration of alpha-farnesene in the fruit.
12870

Analysis of crops and soils for residues of chlorfenvinphos insecticide and its breakdown products.
12887

A note on boron toxiccity in young replantings.
12901

Identification of ethylene in gibberellic-acid-treated potatoes.
12904

Effect of gibberellin A3 on concentration of DNA, RNA, and protein in pea plant (Pisum sativum L.).
12906

Aflatoxins: Improved resolution by thin layer chromatography.
12907

PLANT BREEDING
Differential response,of a few improved and local varieties as well as a hybrid line of jute to stem-rot (Macrophomina phaseoli) and anthracnose (Collectotrichum corchori). diseases.
12619

Yuzuhada, a physiological disorder of oriental pear, and its possible relation to black-end and hard-end of Bartlett.
12656

PLANT CYTOLOGY
Gross morphological and cytological effects of nitralin on corn roots.
12721

PLANT DISEASE CONTROL
Inhibition of tobacco mosaic virus infectivity by the fungus Thielaviopsis basicola (Berk. Br.) Ferr..
12615

The economics of disease control in Hevea.
12646

PLANT DISEASE RESISTANCE
A note on barley mosaic in India.
12604

Evaluation of peanut (Arachis hypogaea) varieties for Verticillium wilt resistance.
12609

Differential response,of a few improved and local varieties as well as a hybrid line of jute to stem-rot (Macrophomina phaseoli) and anthracnose (Collectotrichum corchori). diseases.
12619

Relation between the beta-glucosidases and fungus infection in corn.
12630

The reactions of susceptible and resistant tomato cultivars to strains of Verticillium albo-atrum.
12639

Reactions of two precocious peach varieties to the elimination of ring spot viruses.
12659

Screening for padi blast disease resistance in West Malaysia.
12661

PLANT DISEASE TRANSMISSION
Dispersal of conidia of Dothidella ulei from Hevea brasiliensis.
12617

Protect your maize from head smut.
12624

Cronartium comandrae in the Rocky Mountain States.
12625

Transmission of the disease Brazilian tomato ringspot through the soil.
12658

Transmission of strains of raspberry ringspot and tomato black ring viruses by Longidorus elongatus (de Man).
12662

Evidence of transovarial passage of the sowthistle yellow vein virus in the aphid Hyperomyzus lactucae.
12689

PLANT DISEASES
Bacterial burning of leaves, a new disease in millet in Brazil.
12610

An electron microscopy study of the penetration of tobacco mosaic virus into leaves following experimental inoculation.
12611

Formation of soruses and spore differentiations in Utilago maydis (DC.) Cda.
12621

Uromyces costaricensis - A new report for the continental United States.
12629

Rigidoporus lignosus.
12640

Formitopsis rosea.
12643

Rigidoporus ulmarius.
12644

Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
12650

Reactions of two precocious peach varieties to the elimination of ring spot viruses.
12659

A method for the injection of chemicals into trees.
12660

Screening for padi blast disease resistance in West Malaysia.
12661

Control of mango anthracnose by fungicides.
12873

PLANT ECOLOGY
Ecology of submersed aquatic weeds in south Florida canals.
12706

PLANT EXTRACTS
Feeding response of larvae of the corn earworm (Lepidoptera: Noctuidae) to water extracts of 16 host plants.
12556

PLANT GALLS
Note on breeding of fruit flies Dacus ciliatus Loew and D. cucurbithe Coquillett in stem galls of Coccinia indica W. and A.
12413

PLANT GEOGRAPHY
Some black mildew sooty mold and fly speck fungi and their hyperparasites from Dominica.
12594

Status of Dutch elm disease in Oklahoma.
12638

Rigidoporus lignosus.
12640

Phellinus robustus.
12641

Rigidoporus zonalis.
12642

Formitopsis rosea.
12643

Rigidoporus ulmarius.
12644

Phellinus noxius.
12645

PLANT GROWTH INHIBITORS
Bacterium yields new weed killer.
12717

Effects of maleic hydrazide in purple nutsedge (Cyperus rotundus L.).
12898

Controlling rhododendron flower bud initiation.
12899

Effect of succinic acid 2,2-dimethylhydrazide on flower bud formation of the 'Coville' highbush blueberry.
12905

N,n-dinitroethylenediamine retards growth of red cedar and American arborbitae.
12908

PLANT GROWTH REGULATOR
A note on the compatibility of endrin with parachlorophenoxy acetic acid and boron in relation to mustard aphid infestation.
12685

Plant growth regulator activity of optical isomers of DMPA.
12900

PLANT HISTOLOGY
Relation of tobacco mosaic virus to the host cells.
12608

Pathological histology of corn and sorghum plants infected with maize dwarf mosaic virus and Sclerospora sorghi.
12632

PLANT INJURIES
A study of insects attacking Douglas-fir cones in eastern Montana and Yellowstone National Park, 1967.
12444

Shot-hole borer of tea plant in Japan.
12475

Competition and survival among the corn earworm, the tobacco budworm, and the Fall armyworm.
12555

New record of Eubrachis indica Bally (Chrysomelidae: Coleoptera) as a scrious pest of apple in Himachal Pradesh.
12668

Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672

Ethylene-its effect on flower crops.
12885

PLANT METABOLISM
Soybean mitochondrial response to prometryne and fluometuron.
12731

Metabolism of pyrazon in sugar beets and soil.
12741

Effects of 2,4-D and other herbicides on oxidative phosphorylation in mitochondria from cabbage.
12902

Metabolic fate of monuron and diuron in isolated leaf discs.
12909

PLANT MORPHOLOGY
Studies on Claviceps purpurea (Fr.) Tul. parasitic on Phragmites communis Trin..
12627

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

Gross morphological and cytological effects of nitralin on corn roots.
12721

PLANT NEMATODES
Changes in a Heterodera rostochiensis population through the growing season.
12451

Meloidogyne naasi on sorghum in Kansas.
12695

Assessment of the damage caused to potatoes by potatoes cyst eelworm, Heterodera rostochiensis Woll..
12696

The importance of the problems posed by the bulb and stem eelworm, Ditylenchus dipsaci Kuhn, in western France.
12697

A survey of the coffee tree nematode, Meloidogyne coffeicola, in the State of Sao Paulo.
12698

Studies of cereal nematode populations and cereal yields under continuous or intensive culture.
12699

About the specificity of Tylenchulus semipenetrans Cobb (Nematoda; Tylenchida) to several species of citrus roots.
12700

Biological aspects of the carrot cyst nematode, Heterodera carotae Jones, 1950.
12701

Observations on meadow nematodes (Pratylenchus spp.) and their relation to declines of citrus in Florida.
12702

PLANT NUTRITION
Interaction of nutrients and four antifungal antibiotics in their effects of Pythium species in vitro and in soil.
12910

PLANT PEST RESISTANCE
Studies on Lipapaphis crysimi (Kalt.) with special reference to insect-plant relationship. III. Effect of age of plants on susceptibility.
12677

Plant resistance to Myzus persicae induced by a plant regulator and measured by aphid relative growth rate.
12693

The differential resistance mechanism in female Hampea sp. Trees to the boll weevil.
12903

PLANT PHYSIOLOGICAL DISEASES
Yuzuhada, a physiological disorder of oriental pear, and its possible relation to black-end and hard-end of Bartlett.
12656

PLANT PHYSIOLOGY
Tobacco mosaic virus in dividing mesophyll cells of Nicotiana.
12607

Virus particles in phloem exudate from Cucumis sativus L. after infection by Cucumis Virus 2 A.
12623

The reactions of susceptible and resistant tomato cultivars to strains of Verticillium albo-atrum.
12639

Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
12650

Studies on Lipapaphis erysimi (Kalt.) with special reference to insect-plant relationship. III. Effect of age of plants on susceptibility.
12677

Interrelation of stem borer incidence and certain agronomic traits in Jaunpur variety of maize under different levels of nitrogen.
12686

Translocation of dicamba in Canada thistle.
12713

Importance of root, shoot, and seed exposure on the herbicidal activity of EPTC.
12722

Translocation and fate of dicamba in purple nutsedge.
12730

Organic matter--amiben interaction on nodulation and growth of soybeans.
12736

Woody plant shoot management and response to herbicidal treatment.
12745

Growth inhibition test for identification of Mycoplasma species utilizing dried antiserum-impregnated paper discs.
12796

Effects of maleic hydrazide in purple nutsedge (Cyperus rotundus L.).
12898

Controlling rhododendron flower bud initiation.
12899

Plant growth regulator activity of optical isomers of DMPA.
12900

Effects of 2,4-D and other herbicides on oxidative phosphorylation in mitochondria from cabbage.
12902

The differential resistance mechanism in female Hampea sp. Trees to the boll weevil.
12903

Effect of succinic acid 2,2-dimethylhydrazide on flower bud formation of the 'Coville' highbush blueberry.
12905

PLANT REGULATORS
Plant resistance to Myzus persicae induced by a plant regulator and measured by aphid relative growth rate.
12693

Controlling rhododendron flower bud initiation.
12899

Identification of ethylene in gibberellic-acid-treated potatoes.
12904

PLANT TAXONOMY
Some black mildew sooty mold and fly speck fungi and their hyperparasites from Dominica.
12594

Rigidoporus lignosus.
12640

Phellinus robustus.
12641

Rigidoporus zonalis.
12642

Formitopsis rosea.
12643

Rigidoporus ulmarius.
12644

Phellinus noxius.
12645

PLANT TRANSLOCATION
Translocation of dicamba in Canada thistle.
12713

The effect of linuron on 32P and 45Ca uptake in tomato and parsnip.
12724

Translocation and fate of dicamba in purple nutsedge.
12730

PLANT TRANSPIRATION
Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
12650

PLANTS
Paper wasp in pitcher plant, Sarracenia purpurea L.
12412

Note on breeding of fruit flies Dacus ciliatus Loew and D. cucurbithe Coquillett in stem galls of Coccinia indica W. and A.
12413

Dry preparation of small soft skinned animals particularly arthropods, and of plant parts with dichlormethane-glacial acetic acid-silica gel.
12440

PLASMODIUM
Transmission of Hamosporidiorida by cave-dwelling Anopheles in the grottos of the Congo.
12577

The zygotoblast and sporocyst indices in the valley of the Ruzizi.
12593

PAM 1392 (2,4-diamino-6-(3,4-dichlorobenzylamino) Quinazoline) as a Chemotherapeutic agent: Plasmodium berghei, P. cynomolgi, P. knowlesi, and Trypanosoma cruzi.
12803

PLASMODIUM BERGHEI
PAM 1392 (2,4-diamino-6-(3,4-dichlorobenzylamino) Quinazoline) as a Chemotherapeutic agent: Plasmodium berghei, P. cynomolgi, P. knowlesi, and Trypanosoma cruzi.
12803

PLASMODIUM GALLINACEUM
Autoimmune reactions of chickens infected by Plasmodium gallinaceum.
12801

Plasmodium gallinaceum: Chicken erythrocyte survival as determined by sodium radiochromate and Di-isopropylfluorophosphate labeling.
12810

PLASMODIUM KNOWLESI
PAM 1392 (2,4-diamino-6-(3,4-dichlorobenzylamino) Quinazoline) as a Chemotherapeutic agent: Plasmodium berghei, P. cynomolgi, P. knowlesi, and Trypanosoma cruzi.
12803

PLASMODIUM LOPHURAE
Plasmodium lophurae: (U-C14)-glucose catabolism by free plasmodia and duckling host erythrocytes.
12792

PLASTICS
Influence of temperature on the effectiveness of paradichlorobenzene fumigation of black carpet beetle larvae.
12874

Compositions containing organotin metal carboxylate antimicrobials.
12921

PLATYPODIDAE
Shot-hole borer of tea plant in Japan.
12475

PLECOPTERA
On a new species of the genus Perlodes (Plecoptera: Perlodidae) from India.
12386

PLODIA INTERPUNCTELLA
Laboratory evaluation of malathion as a storage protectant for figs.
12879

PLOWING
Effect of winter precipitation and temperature on overwintering eggs of Northern and Western corn rootworms.
12432

PLUTELLA MACULIPENNIS
Organophosphorus compounds. VI. -Structure and activity of certain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of certain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related compounds.
12514

POA
Weed control in turf.
12740

PODOSPHAERA LEUCOTRICHA
Fungicidal activity and chemical constitution. XV. The activity of 4-(1-substituted n-alkyl)-2,6-dinitrophenols.
12601

Fungicidal activity and chemical constitution. xvi. The use of partition data for an analysis of the activities of alkyldinitrophenol fungicides against apple mildew.
12603

Systemic activity of benzimidazoles as soil drenches against powdery mildew of apple and cherry.
12612

PODOSPHAERA OXYACANTHAE
Systemic activity of benzimidazoles as soil drenches against powdery mildew of apple and cherry.
12612

POISON GLANDS
The hymenopterous poison gland: Probable functions of the main glandular elements.
12416

POISONING
Rats and mice enemies of production, hazard to health.
12880

Spongy changes in the brains of sheep poisoned by excess dietary copper.
12894

POLICIES
Distribution of the corn earworm on St. Croix, U.S. Virgin Islands, and its relation to suppression programs.
12387

POLISTES
Paper wasp in pitcher plant, Sarracenia purpurea L.
12412

POLLEN
The multiplication and spread of sacbrood virus of bees.
12408

Studies on pollen gathering activity of the Indian honey bee Apis indica F. under Delhi conditions.
12415

POLLINATION
Further studies on the pollination ecology of Ficus sycomorus L. (Hymenoptera, Chalcidoidea, Agaonidae).
12453

POLYMORPHISM
Drosophila andalusiaca, a polymorphic species new to Holland.
12337

The results of my breeding of Acanthobrahmaea europaea Hartig 1963. A contribution to the extent of variation of this species (Lep., Brahmaeidae).
12414

Parallel polymorphisms in different species of Hawaiian Drosophila.
12562

Temperature induction of phenodeviants in Drosophila melanogaster mutants.
12565

POLYPORUS
Rigidoporus lignosus.
12640

Phellinus robustus.
12641

Rigidoporus zonalis.
12642

Rigidoporus ulmarius.
12644

PONDS
Effects of dichlobenil on two fishpond environments.
12889

POPULATION
Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

Conversion of results of concentrated samples to density estimates of egg and larval populations of the Northern corn rootworm.
12345

The regulation of population density in the bark beetle Scolytus scolytus (F.).
12411

Populations of the ant Tetramorium caespitum Latreille.
12421

Ecological studies on three pond midges (Diptera: Ceratopogonidae) in Quebec.
12433

Changes in a Heterodera rostochiensis population through the growing season.
12451

Genetically marked Aedes Aegypti in studies of field populations.
12452

Reproductive capacity of the green peach aphid on Maryland tobacco.
12461

A study of the mortality factors acting upon Cyzenis albicans (Fall.), a tachinid parasite of the winter moth (Operophtera Brumata (L.)).
12462

Stones, cement and guards in halictine nest architecture and defense.
12485

The exploitation and conservation of resources by populations of insects.
12498

Maternal age as an ecological factor in the population dynamics of the European corn borer, Ostrinia nubilalis.
12520

Oviposition traps and population sampling for the distribution of Aedes aegypti (L.).
12543

How physiological changes in the spring rape influence the distribution density of the cabbage aphid (Brevicoryne brassicae L.).
12552

Disruptive selection for sternopleural bristle number in Drosophila melanogaster.
12560

A deviant sex ratio in Drosophila melanogaster.
12564

Genic variation in a natural population of Drosophila persimilis.
12571

Karyoecology of simulids (Diptera, Simuliidae). Genome structure of karyopool in Odagmia ornata Mg. with accessory chromosomes.
12574

The ecology of selection in hybrid populations of Tribolium castaneum.
12575

Experiments on selection for developmental rate in Drosophila melanogaster.
12576

Interrelation of stem borer incidence and certain agronomic traits in Jaunpur variety of maize under different levels of nitrogen.
12686

Studies of cereal nematode populations and cereal yields under continuous or intensive culture.
12699

Biological aspects of the carrot cyst nematode, Heterodera carotae Jones, 1950.
12701

Growth rate of two Taenia crassiceps strains.
12828

Season dynamics of the infestation cycle of Cysticercus bovis in naturally infested cattle.
12843

Relation among liver fluke populations in cattle and the results of coprological examinations.
12849

Adaptation of some mammalian helminths in the light of helminthocoenoses.
12850

POPULUS FREMONTII
Unnamed and little-known insects attacking cottonwood in southern California.
12667

POTAMOGETON PECTINATUS
Response of sago pondweed to periodic removal of topgrowth.
12735

POTATOES
Changes in a Heterodera rostochiensis population through the growing season.
12451

Organic manuring for potato scab control and its relation to soil manganese.
12652

Controlling late blight of potato with some fungicides.
12654

Laboratory and field tests in 1966--67 on chemical control of wireworms (Agriotes spp.).
12671

Entomology.
12688

Assessment of the damage caused to potatoes by potatoes cyst eelworm, Heterodera rostochiensis Woll..
12696

Identification of ethylene in gibberellic-acid-treated potatoes.
12904

POTENTIOMETRY
The potentiation between thanite and arprocarb in their action on houseflies.
12464

POULTRY
Fly control in cage layer houses.
12813

The specificity of helminths from an ecological aspect.
12857

POULTRY DISEASES
Pigeon failure as vector of fowl cholera in turkeys.
12752

Intracellular avian infectious bronchitis virus: Detection by fluorescent antibody techniques in nonavian kidney cell cultures.
12757

Ultraviolet inactivation and photoreactivation of avian viruses.
12765

Chicken embryo lethal orphan virus: Virus localization and histopathology in chicken embryos.
12776

Titration of infectious bronchitis virus in tracheas of susceptible and immune chickens.
12777

Serum protein changes in chickens subsequent to infection with Histomonas meleagridis.
12782

Studies on the control of Mycoplasma meleagridis in turkeys.
12784

Experimentally induced Mycoplasma meleagridis infection of turkey reproductive tracts.
12787

Observations of systemic and localized infection associated with the isolation of staphylococcus in chickens in North Carolina.
12789

Two different type A influenza virus infections in turkeys in Wisconsin II. 1968 outbreak.
12793

Salmonella infections of the ovary and peritoneum of chickens.
12794

Immunization of chickens against Newcastle disease with beta-propiolactone-killed virus antigen administered in drinking water.
12797

Autoimmune reactions of chickens infected by Plasmodium gallinaceum.
12801

Chicken-embryo-adapted duck hepatitis virus growth curve in embryonated chicken eggs.
12805

Enhancement and inhibition of avian sarcoma viruses by polycations and polyanions.
12806

Preparation of Mycoplasma synoviae hemagglutination-inhibition.
12807

Diagnosis of spirochaetosis of poultry by slide agglutination and spirochaete immobilization tests.
12808

Immunity response to the infectious bursal agent.
12809

Sanitation of a fowl-flock from the geohelminth Heterakis gallinarum.
12818

Invasion experiments with trichinella spiralis in fowls.
12851

POULTRY FARM MANAGEMENT
Sanitation of a fowl-flock from the geohelminth Heterakis gallinarum.
12818

POWDERY MILDEW
A new systemic fungicide.
12605

Systemic activity of benzimidazoles as soil drenches against powdery mildew of apple and cherry.
12612

PRATYLENCHUS
Observations on meadow nematodes (Pratylenchus spp.) and their relation to declines of citrus in Florida.
12702

PRATYLENCHUS NEGLECTUS
Studies of cereal nematode populations and cereal yields under continuous or intensive culture.
12699

PRECIPITATION
Effect of winter precipitation and temperature on overwintering eggs of Northern and Western corn rootworms.
12432

PRECIPITIN TEST
The evaluation of fractionated antigens of Trichinella spiralis in complement fixation and ring precipitation tests.
12867

PREDACEOUS INSECTS
Tabanidae.
12336

A new Japanese species of Trioza from Machilus thunbergii, with descriptions of the immature stages and notes on biology (Hemiptera: Psyllidae).
12369

Cannibalism and predation by aphids.
12409

Agistemus exsertus as a predator of two tetranichid mites.
12448

Life history studies on the predatory mite Agistemus exsertus.
12449

Studies on Nephus regularis (Coleoptera: Coccinellidae) as a predator of the striped mealybug in Madhya Pradesh (India).
12521

Observations on predation by the wasp Anoplius ithaca (Pompilidae) on the wolf spider, Dardosa groenlandica (Lycosidae).
12523

Amphibolus venator (Klug) (Hemiptera-Heteroptera)-a predator on insect pests of stored products.
12546

Notes on insects infesting pine cones in Mississippi.
12681

PREEMERGENCE
Soil moisture and effectiveness of preemergence herbicides.
12743

PRODUCTION ECONOMICS
The economics of disease control in Hevea.
12646

PROMETONE
A cucumber bioassay test for the soil residues of certain herbicides.
12718

PROMETRYNE
Soybean mitochondrial response to prometryne and fluometuron.
12731

PROPANIL
Propanil and molinate for control of barnyardgrass in water-seeded rice.
12734

Herbicidal mixture and method of controlling undesirable plant growth therewith. Patent 3,443,927.
12926

PROPAZINE
Effect of activated carbon on the phytotoxicity of herbicides in a tropical soil.
12709

Effect of soil and climate on herbicide dissipation.
12888

PROPYL ALCOHOL
Dinitrophenylpropanols having herbicidal properties. Patent 3,444,244.
12923

PROSIMULIUM
The black flies of Alabama (Diptera: Simuliidae).
12390

PROTEINASES
Proteolytic enzymes in the salivary gland of Chironomus tentans.
12524

PROTEINS
The hymenopterous poison gland: Probable functions of the main glandular elements.
12416

Antigenic properties of Mycoplasma organisms and membranes.
12748

Immunochemical studies of foot-and-mouth disease. IV. Preparation and evaluation of antisera specific for virus, virus protein sub-unit and the infection-associated antigen.
12759

Effect of gibberellin A3 on concentration of DNA, RNA, and protein in pea plant (Pisum sativum L.).
12906

PROTOZOA
Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Coleoptera).
12540

The effect of hydrochloric acid and gastric juice on some morphological changes of Trichomonas intestinalis.
12771

Serological and biological study on the toxoplasmic infection in chickens from the vicinity of Rome.
12811

Immunity to parasites.
12863

PSEUDOCOCCIDAE
Studies on Nephus regularis (Coleoptera: Coccinellidae) as a predator of the striped mealybug in Madhya Pradesh (India).
12521

PSEUDOMONAS AERUGINOSA
Trichinella spiralis: Establishment in Gnotobiotic mice affected by Bacillus mesentericus, B. subtilis.
12785

PSEUDOTSUGA MENZIESII
A study of insects attacking Douglas-fir cones in eastern Montana and Yellowstone National Park, 1967.
12444

PSYCHODIDAE
Revision of the genus Phlebotomus of Arica south of the Zambesi, key for the identification and description of: P. salisburiensis n. sp., P. zumpti n. sp. and P. haeselbarthi n. sp., (Diptera-Psychodidae).
12331

Phlebotomus moucheti (Diptera Psychodidae), a new species caught in the caves of Cameroon and in the Central African Republic.
12394

PSYLLA PYRICOLA
Pear Psylla control studies.
12669

PSYLLIDAE
A new Japanese species of Trioza from Machilus thunbergii, with descriptions of the immature stages and notes on biology (Hemiptera: Psyllidae).
12369

PUPAE
The development of female gonads in pupae of Galleria mellonella L. (Lepidoptera).
12445

Insect neurometamorphis. IV. Effects of the brain and synthetic alpha-ecdysone upon interganglionic connective shortening in Galleria mellonella (L.) (Lepidoptera).
12516

PUPAL CASES
Deformation of puparia of the housefly (Musca domestica L.) on treatment with organophosphorus insectisides.
12541

PYRALIDAE
Phycitinae. Study VI (Lepidoptera, Pyralidae).
12382

PYRAZON
Metabolism of pyrazon in sugar beets and soil.
12741

PYRETHRUM
Toxicity of certain pyrethroids and carbamates to the CS strain of Oncopeltus fasciatus.
12469

Novel process for the preparation of transchrysanthemumic acid. Patent 3,445,499.
12922

PYRUS PYRIFOLIA
Yuzuhada, a physiological disorder of oriental pear, and its possible relation to black-end and hard-end of Bartlett.
12656

PYTHIUM
Incidences of Pythium wilt of snap beans in Colorado.
12637

Interaction of nutrients and four antifungal antibiotics in their effects of Pythium species in vitro and in soil.
12910

QUAIL
An effective anthelmintic in treatment of quail infected with Capillaria contorta.
12824

Effectiveness of Maretin and Meldane as treatments for Capillariasis in bobwhites.
12825

QUARANTINE
Dermatophytes in veterinary practice.
12795

QUERCUS
Phellinus robustus.
12641

Response of oak and red maple to herbicides applied with an injector.
12742

QUERCUS VIRGINIANA
Control of live oak by herbicides applied at various rates and dates.
12707

RABBITS
Antigenic properties of Mycoplasma organisms and membranes.
12748

Characterization of Mycoplasma pulmonis variants isolated from rabbits. I. Identification and properties of isolates.
12762

Characterization of Mycoplasma pulmanis variants isolated from rabbits. II. Basis for differentiation of antigenic subtypes.
12763

Antigenic relationship of Brucella ovis and Brucella melitensis.
12767

Local and regional application of hydrogen peroxide in the control of clostridial myositis in rabbits.
12770

RADIOACTIVE TRACERS
Distribution of the corn earworm on St. Croix, U.S. Virgin Islands, and its relation to suppression programs.
12387

Tryptophan is not assimilated in breathing by insects.
12531

Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

Plasmodium gallinaceum: Chicken erythrocyte survival as determined by sodium radiochromate and Di-isopropylfluorophosphate labeling.
12810

Lipid metabolism in helminth parasites. VII. Triglyceride synthesis in Hymenolepis diminuta (cestoda).
12821

RADIOGRAPHY
Use of radiography in seed and grain technology.
12595

RAILLIETINA
On a new cestode, Raillietina (Raillietina) streptopeliae sp. n. from red turtle dove, Streptopelia tranquebarica tranquebarica.
12834

The role of phylogeny and ecology of helminth and host in the formation of helminth fauna in animals.
12845

RAILLIETINA CESTICILLUS
Raillietina cesticillus: Fatty acid composition.
12751

RAILROADS
Herbicides - economic tools in railroad vegetation control.
12723

RAINFALL
Dispersal of conidia of Dothidella ulci from Hevea brasiliensis.
12617

Effect of simulated rainfall on herbicide performance.
12708

Effects of two environmental factors on removal of 2,4-DB from forage.
12728

RAMS
Antigenic relationship of Brucella ovis and Brucella melitensis.
12767

RAPE
How physiological changes in the spring rape influence the distribution density of the cabbage aphid (Brevicoryne brassicae L.).
12552

RASPBERRIES
Transmission of strains of raspberry ringspot and tomato black ring viruses by Longidorus elongatus (de Man).
12662

RATS
Ecological and biological data on Synopsyllus fonquerniei Wagner and Roubaud, 1932 (Siphonaptera), a flea of the domestic rat in the region of Tananarive.
12484

Control of Oriental rat flea in Vietnam with diazinon dust.
12591

Experimental fascioliasis in small mammals: Apparent effects of bithionol on Fasciola hepatica in rats.
12826

Hymenolepis diminuta: Effect of quality of host dietary carbohydrate on growth.
12829

The homeostasis of the host and the development of the parasite.
12854

Rats and mice enemies of production, hazard to health.
12880

Hydroxy coumarins as rodenticide in warehouses.
12882

A preliminary study of the rodenticidal activity of some derivatives of 2-arylindandione-1,3 and 2-arylacylindandione-1,3.
12897

RED CLOVER
The pollinating activities of bumble bees and honeybees in relation to temperature, competing forage plants, and competition from other foragers.
12557

Slaframine: A parasympathomimetric from Rhizoctonia leguminicola.
12750

REDUVIIDAE
The subspecies of Rhinocoris iracundus (Poda), 1761 (Heteroptera, Reduviidae).
12338

REPRODUCTION
Reproductive capacity of the green peach aphid on Maryland tobacco.
12461

Shot-hole borer of tea plant in Japan.
12475

On the effect of mating and nutrition on the reproduction of Culex pipiens fatigans Wiedemann.
12487

The exploitation and conservation of resources by populations of insects.
12498

X-ray radiation effects on survival and sterility of adults of the cereal leaf beetle.
12500

Metepa as a chemosterilant for adult female pink bollworms.
12507

Study of the morphological and anatomical characteristics of female Glossina and their relationship to physiological age.
12550

Photoperiodism in relation to development and reproduction in the green stink bug.
12554

Trypanosoma cruzi: Effects of gamma radiation on growth and infectivity.
12781

Growth rate of two Taenia crassiceps strains.
12828

A chemosterilant feeder for insects.
12934

REPRODUCTIVE ORGANS
On the genitalia of Merodontina sikkimensis Enderl. (Asilidae, Diptera) with a description of a new species of Merodontina Enderl. from India.
12380

Anatomical and histological changes in internal organs of adult Trypodendron lineatum, Gnathotrichus retusus and G. sulcatus (Coleoptera: Scolytidae).
12532

Experimentally induced Mycoplasma meleagridis infection of turkey reproductive tracts.
12787

RESERPINE
Comparative effects of reserpine and serotonin creatine sulfate on oviposition in the house fly.
12463

RESPIRATORY SYSTEM
The sarcoplasmic reticulum and its association with the T system in an insect.
12460

RETICULOENDOTHELIAL SYSTEM
The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. II. Studies on Mycobacterium tuberculosis (BCG).
12778

The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. I. Mycobacterium tuberculosis avium.
12779

RETINA
A nonlinear model for transient responses from light-adapted wolf spider eyes.
12442

Nonlinear transient responses from light-adapted wolf spider eyes to changes in background illumination.
12443

REVIEWS
Parasite specificity as the result of ecological parasite-host relations.
12855

Specificity of the parasites from the ecological point of view.
12868

RHABDITIS
On the specificity of some species of the suborder Rhabditata.
12830

RHAGOLETIS POMONELLA
Continuous rearing of the apple maggot.
12419

RHIPIDOTHRIPS BRUNNEUS
Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

RHIZOBIUM
Bacterium yields new weed killer.
12717

RHIZOCTONIA LEGUMINICOLA
Slaframine: A parasympathomimetric from Rhizoctonia leguminicola.
12750

RHODODENDRON
Controlling rhododendron flower bud initiation.
12899

RHOPALOSIPHUM PADI
Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

RIBONUCLEIC ACID
Degradation of turnip yellow mosaic virus by freezing and thawing in vitroi A new method for studies on the internal organization of the viral components and for isolating native RNA.
12620

In situ breakage of turnip yellow mosaic virus RNA and in situ aggregation of the fragments. Analysis of successive stages.
12648

The isolation of two enzyme-ribonucleic acid complexes involved in the synthesis of foot-and-mouth disease virus ribonucleic acid.
12749

Effect of gibberellin A3 on concentration of DNA, RNA, and protein in pea plant (Pisum sativum L.).
12906

RICE
Screening for padi blast disease resistance in West Malaysia.
12661

Propanil and molinate for control of barnyardgrass in water-seeded rice.
12734

Results of application of aluminum phosphide pellets to rice weevils in an open bin and to angoumois grain moths under air-tight conditions.
12878

Pesticides residues in foodstuffs in Great Britain. VI. - Mercury residues in rice.
12892

RING SPOT
Transmission of the disease Brazilian tomato ringspot through the soil.
12658

Reactions of two precocious peach varieties to the elimination of ring spot viruses.
12659

Transmission of strains of raspberry ringspot and tomato black ring viruses by Longidorus elongatus (de Man).
12662

RINGWORM
Dermatophytes in veterinary practice.
12795

RODENT CONTROL
Is the meadow vole responsible for reports of an increasing state rat population .
12881

RODENTICIDES
Is the meadow vole responsible for reports of an increasing state rat population .
12881

Hydroxy coumarins as rodenticide in warehouses.
12882

A preliminary study of the rodenticidal activity of some derivatives of 2-arylindandione-1,3 and 2-arylacylindandione-1,3.
12897

RODENTS
Faunistic and ecological data on the fleas of Madagascar (Siphonaptera).
12363

Anoplura of rodents and insectivores in the Central African Republic.
12376

Cowbone ridge virus, a new Group B arbovirus from south Florida.
12578

Arbovirus studies in south Florida, with emphasis on Venezuelan equine encephalomyelitis virus.
12579

RONNEL
Fly control in cage layer houses.
12813

ROOT ROT
Rigidoporus lignosus.
12640

Saponins in relation to the control of avocado root rot with alfalfa meal.
12666

ROOTS
About the specificity of Tylenchulus semipenetrans Cobb (Nematoda; Tylenchida) to several species of citrus roots.
12700

Gross morphological and cytological effects of nitralin on corn roots.
12721

Importance of root, shoot, and seed exposure on the herbicidal activity of EPTC.
12722

Foliar and root absorption of atrazine applied postemergence to giant foxtail.
12744

ROT
Phellinus robustus.
12641

Rigidoporus zonalis.
12642

Rigidoporus ulmarius.
12644

RUBBER
The economics of disease control in Hevea.
12646

RUMINANTS
Viral encephalitis of equines and domestic ruminants in the Near East. Part II.
12760

Fascioliasis of ruminants in Japan.
12865

RUST
Uromyces costaricensis - A new report for the continental United States.
12629

SACBROOD
The multiplication and spread of sacbrood virus of bees.
12408

SAINT LOUIS ENCEPHALITIS VIRUS
Cowbone ridge virus, a new Group B arbovirus from south Florida.
12578

SALIVARY GLANDS
Anatomical and histological changes in internal organs of adult Trypodendron lineatum, Gnathotrichus retusus and G. sulcatus (Coleoptera: Scolytidae).
12532

SALIVARY GLANDS (INSECTS)
DNA synthesis in the gaint salivary chromosomes of Drosophila virilis proir to pupation.
12513

Proteolytic enzymes in the salivary gland of Chironomus tentans.
12524

SALMONELLA
Experimental transmission of Enterobacteriaceae by insects. I. Fate of Salmonella fed to the hide beetle Dermestes maculatus and a novel method for mounting insects.
12472

Investigation into the culturing of Salmonella and Shigella organisms from milk and milk product mediums of enrichment procedures. I. The inhibitory activity of the enrichment substrate on the milk organisms.
12884

SALMONELLA SENFTENBERG
Thermal resistance of Salmonella senftenberg 775W in dry animal feeds.
12780

SALMONELLOSIS
Salmonella infections of the ovary and peritoneum of chickens.
12794

SALTS
Method of preventing influenza viral infections. Patent 3,444,302.
12920

SAMIA CYNTHIA
Sex pheromone of the eri-silkworm moth, Philosamia cynthia ricini Donovan (Lepidoptera: Saturniidae).
12548

SAMPLING (STATISTICS)
Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

Conversion of results of concentrated samples to density estimates of egg and larval populations of the Northern corn rootworm.
12345

SANDY SOILS
Leaching of seven s-Triazines.
12737

SANITATION
Dermatophytes in veterinary practice.
12795

SAPODILLA
Influence of temperature on Botryodiplodia rot of citrus and sapodilla.
12872

SAPONINS
Saponins in relation to the control of avocado root rot with alfalfa meal.
12666

SARCOSOMES
The sarcoplasmic reticulum and its association with the T system in an insect.
12460

A comparative study on the fine structure of the basalar muscle of the wing and the tibial extensor muscle of the leg of the lepidopteran Achalarus lyciades.
12522

SCALD
Superficial scald, a functional disorder of stored apples. IV. - Effect of variety, maturity, oil wraps and diphenylamine on the concentration of alpha-farnesene in the fruit.
12870

SCARABAEIDAE
On the specificity of Vagoiavirus melolonthae.
12467

SCELIONIDAE
The nesting activities of the vespoid potter wasp Eumenes campaniformis esuriens (Fabr.) compared with the ecologically similar sphecoid Sceliphron madraspatanum (Fabr.) (Hymenoptera).
12470

SCENT GLANDS
Chemical analysis of the scent fluid of Leptoglossus clypeatus.
12495

SCIARIDAE
Description of a new species of Bradysia (Diptera, Sciaridae).
12383

SCLEROSPORA SORGHI
Pathological histology of corn and sorghum plants infected with maize dwarf mosaic virus and Sclerospora sorghi.
12632

SCLEROTINIA SCLEROTIORUM
The control of Sclerotinia sclerotiorum in green beans.
12651

SCLEROTIUM ROLFSII
Fine structure and electron cytochemical studies of Sclerotium rolfsii Sacc.
12631

SCOLYTIDAE
Responses of Ips confusus to synthetic sex pheromones in nature.
12424

Studies on the olfactory stimuli guiding the bark beetle Blastophagus piniperda L. (Colcoptera, Scolytidae) to its host tree.
12476

Anatomical and histological changes in internal organs of adult Trypodendron lineatum, Gnathotrichus retusus and G. sulcatus (Coleoptera: Scolytidae).
12532

SCOLYTUS
Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Coleoptera).
12540

SCOLYTUS SCOLYTUS
The regulation of population density in the bark beetle Scolytus scolytus (F.).
12411

SCORPIONIDA
A scorpion attacking a pygmy mouse.
12486

SCRAPIE
Observations on the ultrastructure of the spinal cord, spleen and lymph nodes of mice inoculated with scrapie.
12755

SEASONAL VARIATION
Ecological studies on three pond midges (Diptera: Ceratopogonidae) in Quebec.
12433

Changes in a Heterodera rostochiensis population through the growing season.
12451

Oviposition traps and population sampling for the distribution of Aedes aegypti (L.).
12543

Karyoecology of simulids (Diptera, Simuliidae). Genome structure of karyopool in Odagmia ornata Mg. with accessory chromosomes.
12574

Seasonal variations in the sporulating capacity of the fungus causing coffee berry disease.
12634

SECRETION
The peritrophic membranes in arthropods, their role in digestion and their intervention in the development of parasitic organisms.
12489

Purification of the male factor increasing egg deposition in D. melanogaster.
12490

Inhibition of tobacco mosaic virus infectivity by the fungus Thielaviopsis basicola (Berk. Br.) Ferr..
12615

SECRETIONS
The effect of hydrochloric acid and gastric juice on some morphological changes of Trichomonas intestinalis.
12771

SEED GERMINATION
Effect of relative humidity and length of storage period upon fungal invasion and germination percentage of bajra seeds.
12869

SEED TREATMENT
Protect your maize from head smut.
12624

Importance of root, shoot, and seed exposure on the herbicidal activity of EPTC.
12722

Disinfestation of stored seeds by heat treatment.
12877

SEED VIABILITY
Use of radiography in seed and grain technology.
12595

SEEDLINGS
Effect of several herbicides on proteolytic activity of squash seedlings.
12704

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

Interaction of EPTC and DNBP on seedlings of alfafa and birdsfoot trefoil.
12727

SEEDS
Use of radiography in seed and grain technology.
12595

SEROLOGICAL TESTS
Antigenic properties of Mycoplasma organisms and membranes.
12748

Serological specificity of Dictyocaulus viviparus.
12758

Characterization of Mycoplasma pulmonis variants isolated from rabbits. I. Identification and properties of isolates.
12762

Ultraviolet inactivation and photoreactivation of avian viruses.
12765

Differences between Brucella antigens involved in indirect hemagglutination tests with normal and thinned red blood cells.
12766

Antigenic relationship of Brucella ovis and Brucella melitensis.
12767

Serum protein changes in chickens subsequent to infection with Histomonas meleagridis.
12782

Antigenic type of first relapse variants arising from a strain of Trypanosoma (Trypanozoon) brucei.
12783

Studies on the control of Mycoplasma meleagridis in turkeys.
12784

Immunization of chickens against Newcastle disease with beta-propiolactone-killed virus antigen administered in drinking water.
12797

Preparation of Mycoplasma synoviae hemagglutination-inhibition.
12807

Diagnosis of spirochaetosis of poultry by slide agglutination and spirochaete immobilization tests.
12808

Immunity response to the infectious bursal agent.
12809

Serological and biological study on the toxoplasmic infection in chickens from the vicinity of Rome.
12811

Intradermal tests and serological reactions with antigens of Trichinella spiralis in persons infested by different forms of parasites.
12814

Allergic symptoms in the clinical picture of echinococcosis.
12815

The antigen-Antibody reactions in the helminthiases.
12817

Protective action of passively transferred immune serum and immunoglobulin fractions against tissue invasive stages of the dwarf tapeworm, Hymenolepis nana.
12827

Studies on immunity of calves to Dictyocaulus viviparus reinfection. V. Serological studies on experimental dictyocaulosis caused by normal and X-ray inactivated larvae.
12861

The evaluation of fractionated antigens of Trichinella spiralis in complement fixation and ring precipitation tests.
12867

SERUM
Immunochemical studies of foot-and-mouth disease. IV. Preparation and evaluation of antisera specific for virus, virus protein sub-unit and the infection-associated antigen.
12759

SESAMEX
The metabolism of dihydrochlordene and related compounds by housefly (M. domestica L.) and pig liver microsomes.
12423

SETARIA FABERI
Effect of time of giant foxtail removal from corn and soybeans.
12725

SETARIA FABERII
Soil moisture and effectiveness of preemergence herbicides.
12743

Foliar and root absorption of atrazine applied postemergence to giant foxtail.
12744

SETARIA GLAUCA
Atrazine versus atrazine plus oil.
12719

SEX
On the effect of mating and nutrition on the reproduction of Culex pipiens fatigans Wiedemann.
12487

Purification of the male factor increasing egg deposition in D. melanogaster.
12490

SEX BEHAVIOR
Laboratory studies of the mating habits of the face fly.
12482

Initial studies on the extraction of the active substance inducing monocoitic behavior in house flies, black bow flies, and screw-worm flies.
12501

Metepa as a chemosterilant for adult female pink bollworms.
12507

Bionomics of Carpophilus foveicollis Murr. in pineapple.
12542

A chemosterilant feeder for insects.
12934

SHEEP
Chemoprophylaxis of fasciolosis.
12764

Prenatal immunization of the lamb to Brucella: Dissociation of immunocompetence and reactivity.
12788

Affecting the quality of wool in merino-sheep by artificial infestation with some gastro-intestinal nematodes, namely trichostrongyliodes.
12835

Pathomorphological and histochemical studies of livers of sheep experimentally infected with the liver fluke.
12856

Spongy changes in the brains of sheep poisoned by excess dietary copper.
12894

SIDURON
Weed control in Sericea lespedeza.
12710

SILICA GELS
Dry preparation of small soft skinned animals particularly arthropods, and of plant parts with dichlormethane-glacial acetic acid-silica gel..
12440

SILVEX
Environmental influence on bentgrass treated with silvex.
12712

SIMAZINE
The influence of soil characteristics on the adsorption and phytotoxicity of simazine.
12716

SIMULIIDAE
The black flies of Alabama (Diptera: Simuliidae).
12389

The black flies of Alabama (Diptera: Simuliidae).
12390

Karyoecology of simulids (Diptera, Simuliidae). Genome structure of karyopool in Odagmia ornata Mg. with accessory chromosomes.
12574

SIMULIUM
The black flies of Alabama (Diptera: Simuliidae).
12390

SIPHONAPTERA
Faunistic and ecological data on the fleas of Madagascar (Siphonaptera).
12363

Ecological and biological data on Synopsyllus fonquerniei Wagner and Roubaud, 1932 (Siphonaptera), a flea of the domestic rat in the region of Tananarive.
12484

SITOPHILUS ORYZAE
Results of application of aluminum phosphide pellets to rice weevils in an open bin and to angoumois grain moths under air-tight conditions.
12878

SITOTROGA CEREALELLA
Results of application of aluminum phosphide pellets to rice weevils in an open bin and to angoumois grain moths under air-tight conditions.
12878

SKIN DISEASES
Dermatophytes in veterinary practice.
12795

SMUT
Protect your maize from head smut.
12624

SNAILS
Studies on the control of Galba truncatula in large pastures. II. The effect of snail control on the extensiveness of infection in cattle.
12862

On the host specificity of parthenogenetic stages of Fasciola hepatica under laboratory conditions.
12866

SODIUM CHROMATE
Plasmodium gallinaceum: Chicken erythrocyte survival as determined by sodium radiochromate and Di-isopropylfluorophosphate labeling.
12810

SOIL ADSORPTION
The influence of soil characteristics on the adsorption and phytotoxicity of simazine.
12716

SOIL ANALYSIS
Analysis of crops and soils for residues of chlorfenvinphos insecticide and its breakdown products.
12887

SOIL FUNGI
Interaction of nutrients and four antifungal antibiotics in their effects of Pythium species in vitro and in soil.
12910

SOIL FUNGICIDES
Systemic activity of benzimidazoles as soil drenches against powdery mildew of apple and cherry.
12612

SOIL LEACHING
Leaching of trifluralin, benefin, and nitralin in soil columns.
12703

Leaching of seven s-Triazines.
12737

SOIL MICROORGANISMS
Organic manuring for potato scab control and its relation to soil manganese.
12652

SOIL MOISTURE
A blight of Aleppo pine (Pinus halepensis).
12655

Soil moisture and effectiveness of preemergence herbicides.
12743

SOIL SERIES
Persistence and movement of 2,3,6-TBA in soil.
12891

SOIL STRUCTURE
The influence of soil characteristics on the adsorption and phytotoxicity of simazine.
12716

SOIL TESTING
Leaching of trifluralin, benefin, and nitralin in soil columns.
12703

Persistence and movement of 2,3,6-TBA in soil.
12891

SOIL-BORNE PLANT DISEASES
Transmission of the disease Brazilian tomato ringspot through the soil.
12658

SOILS
Effect of activated carbon on the phytotoxicity of herbicides in a tropical soil.
12709

SOLVENTS

A cucumber bioassay test for the soil residues of certain herbicides.
12718

Phytotoxicity and movement of amiben derivatives in soil.
12729

Trifluralin persistence as affected by depth of soil incorporation.
12738

Persistence of dichlobenil an SD-7961 in soil.
12739

Metabolism of pyrazon in sugar beets and soil.
12741

Adsorption, volatility, and migration of Thiocarbamate herbicides in soils.
12886

Effect of soil and climate on herbicide dissipation.
12888

SOLVENTS
Response of sago pondweed to periodic removal of topgrowth.
12735

SOMATOTROPIN
The homeostasis of the host and the development of the parasite.
12854

SONCHUS
The feeding sites in Sonchus oleraceus of Hyperomyzus lactucae, the aphid vector of lettuce necrotic yellows virus.
12635

Evidence of transovarial passage of the sowthistle yellow vein virus in the aphid Hyperomyzus lactucae.
12689

SORGHUM
Pathological histology of corn and sorghum plants infected with maize dwarf mosaic virus and Sclerospora sorghi.
12632

Effect of late infestation of the stem borer Chilo zonellus Swin. on the yield of sorghum grains.
12675

Insect control studies on the new hybrid sorghum CSH-1 in India.
12691

Meloidogyne naasi on sorghum in Kansas.
12695

Effect of simulated rainfall on herbicide performance.
12708

SOUND WAVES
Systematics and acoustic behavior of United States crickets of the genus Cyrtoxipha (Orthoptera: Gryllidae).
12396

SOYBEANS
Effect of time of giant foxtail removal from corn and soybeans.
12725

Phytotoxicity and movement of amiben derivatives in soil.
12729

Soybean mitochondrial response to prometryne and fluometuron.
12731

The effect of linuron on ion uptake in corn, soybean, and crabgrass.
12732

Organic matter--amiben interaction on nodulation and growth of soybeans.
12736

SPECTROMETRY
Identification of ethylene in gibberellic-acid-treated potatoes.
12904

SPECTROPHOTOMETRY
Uncoupling of DNA and histone synthesis prior to prophase I of meiosis in the cricket Grillus (Acheta) domesticus L.
12417

Infrared determination of dithianon.
12913

SPECTROSCOPY
Organophosphorus compounds. VI. -Structure and activity of certain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of certain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related compounds.
12514

SPERMATOGENESIS
Uncoupling of DNA and histone synthesis prior to prophase I of meiosis in the cricket Grillus (Acheta) domesticus L.
12417

SPHACELOTHECA REILIANA
Protect your maize from head smut.
12624

SPHAEROTHECA MORS-UVAE
Fungicidal activity and chemical constitution. XV. The activity of 4-(1-substituted n-alkyl)-2,6-dinitrophenols.
12601

SPHAEROTHECA PANNOSA
Fungicidal activity and chemical constitution. XV. The activity of 4-(1-substituted n-alkyl)-2,6-dinitrophenols.
12601

SPHENOPHORUS VENATUS CONFLUENS
Insecticides for control of Sphenophorus venatus confluens, Rhopalosiphum padi, and Rhipidothrips brunneus in orchardgrass.
12676

SPINAL CORD
Observations on the ultrastructure of the spinal cord, spleen and lymph nodes of mice inoculated with scrapie.
12755

SPIROCHETOSIS
Diagnosis of spirochaetosis of poultry by slide agglutination and spirochaete immobilization tests.
12808

SPIRURIDAE
Spirurata of animals and humans and their diseases.
12858

SPLEEN
Observations on the ultrastructure of the spinal cord, spleen and lymph nodes of mice inoculated with scrapie.
12755

SPODOPTERA FRUGIPERDA
Competition and survival among the corn earworm, the tobacco budworm, and the Fall armyworm.
12555

A chemosterilant feeder for insects.
12934

SPORES
Biphasic system for separation of spores and crystals of Bacillus thuringiensis.
12456

Formation of soruses and spore differentiations in Utilago maydis (DC.) Cda.
12621

Thermal resistance of Salmonella senftenberg 775W in dry animal feeds.
12780

Incidence study of spores of Clostridium botulinum in convenience foods.
12883

SPORULATION
The effect of fungicidal treatments on sporulating capacity in relation to the control of coffee berry disease.
12633

Seasonal variations in the sporulating capacity of the fungus causing coffee berry disease.
12634

SPRAYING
Laboratory insecticide tests against the Fall webworm.
12429

Entomology.
12688

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

Fly control in cage layer houses.
12813

Ground application of pesticides.
12931

Pest control machinery in Japan.
12932

SQUASH
Effect of several herbicides on proteolytic activity of squash seedlings.
12704

STAPHYLOCOCCUS
Isolation of Staphylococcus epidermidis from tobacco.
12647

STAPHYLOCOCCUS AUREUS
Observations of systemic and localized infection associated with the isolation of staphylococcus in chickens in North Carolina.
12789

STARCHES
Hymenolepis diminuta: Effect of quality of host dietary carbohydrate on growth.
12829

STATISTICAL ANALYSIS
Presenting results of tests involving biologically active materials.
12431

Growth, longevity, and the frequency of feeding of Glossina pallidipes Austen.
12504

Assessment of the damage caused to potatoes by potatoes cyst eelworm, Heterodera rostochiensis Woll..
12696

Specificity of the parasites from the ecological point of view.
12868

STATISTICAL METHODS
Four methods of sampling to measure populations of alfalfa weevil larvae.
12341

Conversion of results of concentrated samples to density estimates of egg and larval populations of the Northern corn rootworm.
12345

Reproductive capacity of the green peach aphid on Maryland tobacco.
12461

Tomato virus diseases in the Lithuanian SSR. 2. The method of group sampling.
12613

STEM EELWORM
The importance of the problems posed by the bulb and stem eelworm, Ditylenchus dipsaci Kuhn, in western France.
12697

STEM ROT
Losses from fusarium stem rot caused by Fusarium roseum, in commercial production of cuttings of carnation, Dianthus caryophyllus.
12618

STEMPELLIA
Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Colcoptera).
12540

STEMPHYLIUM
Field trials for the control of Stemphylium botryosum f. lycopersici.
12653

STEMPHYLIUM SOLANI
Occurrence of gray leafspot on peppers in Florida.
12597

STERILITY
The chemosterilant effect of anthramycin methyl ether in Drosophila melanogaster.
12410

Need for immediate sugar and ability to withstand thirst by newly emerged Oriental fruit flies, and Mediterranean fruit flies untreated or sexually sterilized with gamma radiation.
12478

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT

of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Laboratory studies of the mating habits of the face fly.
12482

X-ray radiation effects on survival and sterility of adults of the cereal leaf beetle.
12500

Metepa as a chemosterilant for adult female pink bollworms.
12507

Incompatibility tests in the Culex pipiens complex. Part I. African strains. Part II. Egyptian strains.
12566

The causes of male sterility in A. gambiae A-B group crosses. (Abstract).
12568

STEROLS
Lipids in the haemolymph of the cricket, Acheta domesticus.
12551

STIGMAEIDAE
Agistemus exsertus as a predator of two tetranichid mites.
12448

Life history studies on the predatory mite Agistemus exsertus.
12449

STIMULANTS
Feeding response of larvae of the corn earworm (Lepidoptera: Noctuidae) to water extracts of 16 host plants.
12556

STOMOXYS CALCITRANS
Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

STORAGE DISEASES
Effect of relative humidity and length of storage period upon fungal invasion and germination percentage of bajra seeds.
12869

Superficial scald, a functional disorder of stored apples. IV. - Effect of variety, maturity, oil wraps and diphenylamine on the concentration of alpha-farnesene in the fruit.
12870

Phytotoxicity of dithiocarbamate fungicides on Worcester Pearmain.
12871

Influence of temperature on Botryodiplodia rot of citrus and sapodilla.
12872

Control of mango anthracnose by fungicides.
12873

STORED PRODUCT INSECTS
Disinfestation of stored seeds by heat treatment.
12877

STORED PRODUCTS
Amphibolus venator (Klug) (Hemiptera-Heteroptera)-a predator on insect pests of stored products.
12546

Superficial scald, a functional disorder of stored apples. IV. - Effect of variety, maturity, oil wraps and diphenylamine on the concentration of alpha-farnesene in the fruit.
12870

Ecology of stored grain insect pests.
12876

Results of application of aluminum phosphide pellets to rice weevils in an open bin and to angoumois grain moths under air-tight conditions.
12878

Laboratory evaluation of malathion as a storage protectant for figs.
12879

Rats and mice enemies of production, hazard to health.
12880

STREPTOMYCES SCABIES
Organic manuring for potato scab control and its relation to soil manganese.
12652

STREPTOMYCIN
Interaction of nutrients and four antifungal antibiotics in their effects of Pythium species in vitro and in soil.
12910

STYLOPIDAE
Parasitism associated with brachypterous males in the sugarcane leafhopper, Perkinsiella vitiensis.
12506

SUCCINIC ACID, 2,2-DIMETHYLHYDRAZIDE
Controlling rhododendron flower bud initiation.
12899

Effect of succinic acid 2,2-dimethylhydrazide on flower bud formation of the 'Coville' highbush blueberry.
12905

SUCROSE
Egg-yolk and olive juice as supplements to the yeast hydrolyzate-sucrose diet for adults of Dacus oleae.
12446

SUGAR
Need for immediate sugar and ability to withstand thirst by newly emerged Oriental fruit flies, and Mediterranean fruit flies untreated or sexually sterilized with gamma radiation.
12478

SUGAR BEETS
Laboratory rearing of the spinach leaf miner Pegomyia hyoscyami Panz.
12518

Metabolism of pyrazon in sugar beets and soil.
12741

SUGARCANE
Differential yield responses of commercial sugarcane varities to sugarcane borer damage.
12672

SULFATES
Relevance of methionine, cysteine, cystine and sulphate in artificial feeding of Neomyzus (Aulacorthum) circumflexus BUCKT. (Aphidae, Homoptera, Insecta).
12447

SULFUR
Insecticidal control of citrus pests in coastal central Queensland.
12684

SULFUR ISOTOPES
Absorption and metabolism of fenthion in blood-sucking arthropods.
12558

SUNN CROTALARIA
Records of parasites of sunnhemp shoot-borer, Laspeyresia tricentra Meyr. (Tortricidae: Lepidoptera) in Uttar Pradesh.
12682

SURFACE CHEMISTRY
Reduction of sorption in ethylene dibromide fumigation chambers.
12928

SURVEYS
Drosophila andalusiaca, a polymorphic species new to Holland.
12337

The subspecies of Rhinocoris iracundus (Poda), 1761 (Heteroptera, Reduviidae).
12338

Studies on Indian crickets (Orthoptera: Insecta), Part I.
12340

Occurrence of Culex pipiens quinquefasciatus Say in Nevada.
12344

The armored scale insects of Texas (Homoptera: Coccoidea: Diaspididae).
12368

A ten year survey of Trinidadian arthropods for natural virus infections (1953-1963).(Abstract).
12403

Populations of the ant Tetramorium caespitum Latreille.
12421

Genetically marked Aedes Aegypti in studies of field populations.
12452

The problem of age determination in Anopheles melas Theo. 1903, by Polovodova's method.
12455

Application of ovitraps in the U. S. Aedes aegypti eradication program.
12468

Observations on certain dragonflies (Odonata) in central Scotland.
12492

A device for protecting experimental huts from molestation.
12536

Parasites of mosquitoes in southwestern Wyoming and northern Utah.
12549

Entomological studies on the transmission of human malaria in a dense, humid forest zone, Sassandra region, Ivory Coast.
12580

Fungicides for deciduous top fruit: A survey in 1968.
12622

Corn stalk rot fungi in North Carolina.
12626

Incidences of Pythium wilt of snap beans in Colorado.
12637

Status of Dutch elm disease in Oklahoma.
12638

A blight of Aleppo pine (Pinus halepensis).
12655

Epidemiology of cocksfoot mottle virus.
12664

Assessment of the damage caused to potatoes by potatoes cyst eelworm, Heterodera rostochiensis Woll..
12696

Observations on meadow nematodes (Pratylenchus spp.) and their relation to declines of citrus in Florida.
12702

On the specificity of some helminths parasitizing Anseriformes.
12754

On the focus of trichinellosis of swine with epidemiologic implications.
12822

On the specificity of some species of the suborder Rhabditata.
12830

On the ubiquity of paramphistomaites in the ungulata.
12832

The helminth parasites of Hirundinidae of the neighborhood of Warsaw and Olsztyn.
12837

Round worm infestation in calves.
12842

Relation among liver fluke populations in cattle and the results of coprological examinations.
12849

Ecological specificity of intermediate hosts of Thelazia in cattle and the relation of their infective larvae to some unusual hosts.
12864

SWINE
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

The metabolism of dihydrochlordene and related compounds by housefly (M. domestica L.) and pig liver microsomes.
12423

SWINE ADENOVIRUS

Nonstaining phenylenedimethylene-bis-(triphenylphosphonium) salt - inactivated hog cholera virus vaccine. Patent 3,455,782.
12753

Diagnosis of classical swine plague and titration of antisera by passive hemagglutination.
12768

Growth curves in pig kidney cells of three porcine adenoviruses.
12774

On the focus of trichinellosis of swine with epidemiologic implications.
12822

On the host specificity of ascarids of human and pig origin.
12847

On the specificity of the nematode Trichocephalus suis Schrank,1788.
12848

Metastrongylosis of swine originating from the Lublin Palatinate.
12860

SWINE ADENOVIRUS

Growth curves in pig kidney cells of three porcine adenoviruses.
12774

SYMBIOSIS

Shot-hole borer of tea plant in Japan.
12475

SYMPOSIA

Symposium on the action of entomopathologic viruses and fungi on the vertebrates.
12895

SYNERGISM

The metabolism of dihydrochlordene and related compounds by housefly (M. domestica L.) and pig liver microsomes.
12423

SYNTHESIS

Lipid metabolism in helminth parasites. VII. Triglyceride synthesis in Hymenolepis diminuta (cestoda).
12821

Synthesis and experimental investigation of a new anthelminthic, monopar.
12896

A preliminary study of the rodenticidal activity of some derivatives of 2-arylindandione-1,3 and 2-arylacylindandione-1,3.
12897

Beta-dialkylaminoalkyl ethers and thioethers. Patent 3,446,843.
12912

Product of catalyzing polyurethane formation by means of 2-mercaptobenzothiazoles,thiazoles, oxazoles, imidazoles and imidazolines. Patent 3,446,779.
12914

Process for producing an antifungal and antiprotozoal substance. Patent 3,458,402.
12919

Novel process for the preparation of transchrysanthemumic acid. Patent 3,445,499.
12922

Methods of manufacturing 2,6-dichlorobenzamide. Patent 3,444,166 (United States).
12924

T, 2,4,5-

Effects of 2,4,5-T and dibutyl phthalate on bloodwood (Eucalyptus dichromophloia).
12705

Control of live oak by herbicides applied at various rates and dates.
12707

Effect of simulated rainfall on herbicide performance.
12708

Winged elm control with pieloram and 2,4,5-T with and without additives.
12720

Response of oak and red maple to herbicides applied with an injector.
12742

Woody plant shoot management and response to herbicidal treatment.
12745

TABANIDAE

Tabanidae.
12336

Tabanidae (Diptera) of Morocco, III. description of Tabanus choumarae n. sp.
12364

Tabanidae of Cameroon. I. Description of new species.
12374

TABANUS

Arthropods in the diet of the cattle egret, Bubulcus ibis, in southern Louisiana.
12812

TABLES (DATA)

Organophosphorus compounds. VI. -Structure and activity of certain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of certain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related compounds.
12514

TACHINIDAE

The first instar larvae of the genus Trixa Meigen and remarks on the systematics and nomenclature of this genus (Diptera, Larvaevoridae).
12401

A study of the mortality factors acting upon Cyzenis albicans (Fall.), a tachinid parasite of the winter moth (Operophtera Brumata (L.)).
12462

TAENIA

Growth rate of two Taenia crassiceps strains.
12828

TAENIOTHRIPS

On some species of Taeniothrips Serville and Thrips Linn with further notes on Hyalopterothrips roonnsali Bhatti from India.
12335

TAXONOMY

Pahayokee and Shark River, two new arboviruses related to Patois and Zegla from the Florida Everglades.
12582

On a new cestode, Raillietina (Raillietina) streptopeliae sp. n. from red turtle dove, Streptopelia tranquebarica tranquebarica.
12834

Spirurata of animals and humans and their diseases.
12858

TDE

Field evaluations in spray programs for control of the fruit-tree leaf roller on sweet cherry.
12694

TEA

Shot-hole borer of tea plant in Japan.
12475

Rigidoporus lignosus.
12640

Phellinus noxius.
12645

TEMPERATURE

The distribution and biology of Tribolium castaneum (Coleoptera, Tenebrionidae) on temperature gradients varying in steepness.
12404

Effect of winter precipitation and temperature on overwintering eggs of Northern and Western corn rootworms.
12432

Effects of temperature on Drosophila. IV. Adaptation of D. immigrans.
12466

Growth, longevity, and the frequency of feeding of Glossina pallidipes Austen.
12504

House fly response to fluorescent lamps: Influenced by fly age and nutrition, air temperature, and position of lamps.
12515

Comparative resistance to sedimentation of three different strains of sigma virus of Drosophila.
12517

Efficacy of malathion on wheat grains against Trogoderma granarium Everts at constant temperatures.
12527

Influence of temperature and diet on attainment of firm diapause in the boll weevil.
12547

The pollinating activities of bumble bees and honeybees in relation to temperature, competing forage plants, and competition from other foragers.
12557

Temperature induction of phenodeviants in Drosophila melanogaster mutants.
12565

Cronartium comandrae in the Rocky Mountain States.
12625

Environmental influence on bentgrass treated with silvex.
12712

Thermal resistance of Salmonella senftenberg 775W in dry animal feeds.
12780

Eimeria tenella: Temperature and asexual development in cell culture.
12799

Influence of temperature on Botryodiplodia rot of citrus and sapodilla.
12872

Influence of temperature on the effectiveness of paradichlorobenzene fumigation of black carpet beetle larvae.
12874

Ecology of stored grain insect pests.
12876

TENEBRIO MOLITOR

Electrophoretic studies of serum proteins obtained from radiofrequency-treated yellow mealworm larvae.
12473

Compounds related to juvenile hormone. III.
12533

Compounds related to juvenile hormone. II.
12539

TENEBRIONIDAE

Efficacy of different insecticides against tobacco ground beetles in the field.
12674

TEPA

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Laboratory studies of the mating habits of the face fly.
12482

A chemosterilant feeder for insects.
12934

TERMITES

Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

TERSILOCHUS

A new parasite of the vegetable weevil in southern California.
12436

TETRAETHYLAMMONIUM CHLORIDE

Tetraethylammonium chloride as an antidote for certain insecticides in mice.
12893

TETRAMORIUM CAESPITUM

Populations of the ant Tetramorium caespitum Latreille.
12421

TETRANYCHIDAE

Agistemus exsertus as a predator of two tetranichid mites.
12448

Control of acarids with triphenyl tin compounds. patent 3,445,575.
12545

TETRANYCHUS TELARIUS
Agistemus exsertus as a predator of two tetranichid mites.
12448

Organophosphorus compounds. VI. -Structure and activity of certain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of certain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related compounds.
12514

TETRANYCHUS URTICAE
Eyes of the female two-spotted spider mite, Tetranychus urticae. III Behavioral analysis of the photoreceptors.
12526

THANITE
The potentiation between thanite and arprocarb in their action on houseflies.
12464

THELAZIA
Ecological specificity of intermediate hosts of Thelazia in cattle and the relation of their infective larvae to some unusual hosts.
12864

THIAZOLE COMPOUNDS
Organophosphorus compounds. VI. -Structure and activity of certain 4-(diethoxyphosphinothioylthiomethyl)4H-1,3,4-oxadiazoline-5-thiones, of certain 4-diethoxyphosphinothioylthiomethyl-thiazoles, and related compounds.
12514

THIAZOLYL)-BENZIMIDIZOLE, 2-(4-
Critical trials on the efficacy of thiabendazole against Ostertagia ostertagi, Cooperia oncophora, and Nematodirus helvetianus.
12859

THIELAVIOPSIS BASICOLA
Inhibition of tobacco mosaic virus infectivity by the fungus Thielaviopsis basicola (Berk. Br.) Ferr..
12615

THIOCARBAMATES
Adsorption, volatility, and migration of Thiocarbamate herbicides in soils.
12886

THIOCYANATES
The potentiation between thanite and arprocarb in their action on houseflies.
12464

THIRAM
Phytotoxicity of dithiocarbamate fungicides on Worcester Pearmain.
12871

THRIPIDAE
Studies on the species of Xylaplothrips Priesner from India.
12334

The Tryphactothrips-complex in India, with a key to the world genera (Thysanoptera: Thripidae).
12339

THRIPS
On some species of Taeniothrips Serville and Thrips Linn with further notes on Hyaloptterothrips roonnsali Bhatti from India.
12335

THUJA OCCIDENTALIS
N,n-dinitroethylenediamine retards growth of red cedar and American arborbitae.
12908

THYSANOPTERA
Studies on the species of Xylaplothrips Priesner from India.
12334

On some species of Taeniothrips Serville and Thrips Linn with further notes on Hyaloptterothrips roonnsali Bhatti from India.
12335

The Tryphactothrips-complex in India, with a key to the world genera (Thysanoptera: Thripidae).
12339

THYSANURA
Two new South African machilids of the genus Machiloides (Microcoryphia, Insecta).
12399

TIME
Effect of relative humidity and length of storage period upon fungal invasion and germination percentage of bajra seeds.
12869

TIPULIDAE
New and little-known Indian craneflies (Tipulidae, Diptera) I.
12333

TISCHERIIDAE
Oinophila v-flava Haw. (Lep., Tischeridae) in a distillery warchouse.
12499

TISSUE CULTURE
Intracellular avian infectious bronchitis virus: Detection by fluorescent antibody techniques in nonavian kidney cell cultures.
12757

Trypanosoma cruzi: Effects of gamma radiation on growth and infectivity.
12781

Antigenic type of first relapse variants arising from a strain of Trypanosoma (Trypanozoon) brucei.
12783

Attenuation of the hog cholera virus by continuous cell-virus propagation. III. Growth interference of Newcastle disease virus by attenuated hog cholera virus and its application to virus titration and the neutralization test.
12790

Eimeria tenella: Temperature and asexual development in cell culture.
12799

Syncytia formation of mosquito eell cultures mediated by type 2 dengue virus.
12800

Enhancement and inhibition of avian sarcoma viruses by polycations and polyanions.
12806

Investigation into the culturing of Salmonella and Shigella organisms from milk and milk product mediums of enrichment procedures. I. The inhibitory activity of the enrichment substrate on the milk organisms.
12884

Metabolic fate of monuron and diuron in isolated leaf discs.
12909

TISSUES
Immunity to parasites.
12863

TOBACCO
Reproductive capacity of the green peach aphid on Maryland tobacco.
12461

Tobacco mosaic virus in dividing mesophyll cells of Nicotiana.
12607

Relation of tobacco mosaic virus to the host cells.
12608

Inhibition of tobacco mosaic virus infectivity by the fungus Thielaviopsis basicola (Berk. Br.) Ferr..
12615

Isolation of Staphylococcus epidermidis from tobacco.
12647

Efficacy of different insecticides against tobacco ground beetles in the field.
12674

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

TOBACCO MOSAIC VIRUS
Tobacco mosaic virus in dividing mesophyll cells of Nicotiana.
12607

An electron microscopy study of the penetration of tobacco mosaic virus into leaves following experimental inoculation.
12611

TOLERANCES
Be alert to pesticide use changes.
12935

TOMATOES
Feeding response of larvae of the corn earworm (Lepidoptera: Noctuidae) to water extracts of 16 host plants.
12556

Tomato virus diseases in the Lithuanian SSR. 2. The method of group sampling.
12613

The reactions of susceptible and resistant tomato cultivars to strains of Verticillium alho-atrum.
12639

Field trials for the control of Stemphylium botryosum f. lycopersici.
12653

Transmission of the disease Brazilian tomato ringspot through the soil.
12658

Transmission of strains of raspberry ringspot and tomato black ring viruses by Longidorus elongatus (de Man).
12662

The effect of linuron on 32P and 45Ca uptake in tomato and parsnip.
12724

TORTRICIDAE
Records of parasites of sunnhemp shoot-borer, Laspeyresia tricentra Meyr. (Tortricidae: Lepidoptera) in Uttar Pradesh.
12682

TOXICOLOGY
The toxicity of alpha-dihydroheptachlor and related compounds to the housefly (M. domestica L.) and their metabolism by housefly and pig liver microsomes.
12422

Effect of insecticidal sprays on the longevity and fecundity of Eublemma amabilis Moore and Holcocera pulverea Meyr.
12493

Histopathological and developmental effects of the chemosterilant apholate, on the mosquito Aedes aegypti.
12535

Toxicity, control, and residue studies with DO-14 (2-(p-tert-Butylphenoxy) cyclohexyl 2-propynyl sulfite) as an acaridicide against the citrus red mite.
12673

Effect of activated carbon on the phytotoxicity of herbicides in a tropical soil.
12709

Translocation of dicamba in Canada thistle.
12713

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

The influence of soil characteristics on the adsorption and phytotoxicity of simazine.
12716

Gross morphological and cytological effects of nitralin on corn roots.
12721

Slaframine: A parasympathomimetric from Rhizoctonia leguminicola.
12750

A preliminary study of the rodenticidal activity of some derivatives of 2-arylindandione-1,3 and 2-arylacylindandione-1,3.
12897

A note on boron toxiccity in young replantings.
12901

TOXOPLASMA GONDII
Serological and biological study on the toxoplasmic infection in chickens from the vicinity of Rome.
12811

TRACHEA
Titration of infectious bronchitis virus in tracheas of susceptible and immune chickens.
12777

TRACTORS
Pest control machinery in Japan.
12932

TRAIL MARKING
Trail laying by larvae of Chlosyne lacinia.
12430

TREES
Chemical factors of water in tree holes and related breeding of mosquitoes.
12512

A method for the injection of chemicals into trees.
12660

TREMATODA
Paratenic parasitism as an indicator of the specificity of the definite host in some trematodes.
12852

Glucose uptake in Haematoloechus medioplexus and Gorgoderina trematodes.
12853

TREMATODIASIS
On the ubiquity of paramphistomaites in the ungulata.
12832

Paratenic parasitism as an indicator of the specificity of the definite host in some trematodes.
12852

TRIAZINES
Leaching of seven s-Triazines.
12737

TRIBOLIUM
Amphibolus venator (Klug) (Hemiptera-Heteroptera)-a predator on insect pests of stored products.
12546

Raillietina cesticillus: Fatty acid composition.
12751

TRIBOLIUM CASTANEUM
The distribution and biology of Tribolium castaneum (Coleoptera, Tenebrionidae) on temperature gradients varying in steepness.
12404

The ecology of selection in hybrid populations of Tribolium castaneum.
12575

TRICHINELLA SPIRALIS
On trichinellosis of animals in the North-Eastern USSR.
12747

Trichinella spiralis: Establishment in Gnotobiotic mice affected by Bacillus mesentericus, B. subtilis.
12785

Intradermal tests and serological reactions with antigens of Trichinella spiralis in persons infested by different forms of parasites.
12814

Specificity of the intestinal stage in the development of Trichinella spiralis.
12844

Invasion experiments with trichinella spiralis in fowls.
12851

The evaluation of fractionated antigens of Trichinella spiralis in complement fixation and ring precipitation tests.
12867

TRICHINOSIS
On trichinellosis of animals in the North-Eastern USSR.
12747

On the focus of trichinellosis of swine with epidemiologic implications.
12822

The homeostasis of the host and the development of the parasite.
12854

TRICHLORFON
Deformation of puparia of the housefly (Musca domestica L.) on treatment with organophosphorus insectisides.
12541

Efficacy of different insecticides against tobacco ground beetles in the field.
12674

Insecticide trials in tobacco seedbeds, 1962--1965.
12715

Chemoprophylaxis of fasciolosis.
12764

TRICHLOROBENZOIC ACID, 2,3,6-
Persistence and movement of 2,3,6-TBA in soil.
12891

TRICHLOROBENZYL CHLORIDE
Effect of soil and climate on herbicide dissipation.
12888

TRICHODORUS
Studies of cereal nematode populations and cereal yields under continuous or intensive culture.
12699

TRICHOMONAS
The effect of hydrochloric acid and gastric juice on some morphological changes of Trichomonas intestinalis.
12771

TRICHOPHYTON
Dermatophytes in veterinary practice.
12795

TRICHOPTERA
Sarcophagous habits of Trichoptera larvae on dead fish.
12426

TRICHOSTRONGYLIDAE
Affecting the quality of wool in merino-sheep by artificial infestation with some gastro-intestinal nematodes, namely trichostrongyliodes.
12835

TRICHURIASIS
On the specificity of the nematode Trichocephalus suis Schrank,1788.
12848

TRIFLURALIN
Leaching of trifluralin, benefin, and nitralin in soil columns.
12703

Trifluralin persistence as affected by depth of soil incorporation.
12738

Soil moisture and effectiveness of preemergence herbicides.
12743

TRIPHENYL TIN COMPOUNDS
Control of acarids with triphenyl tin compounds. patent 3,445,575.
12545

TRITICUM VULGARE
Plant growth regulator activity of optical isomers of DMPA.
12900

TROGODERMA GRANARIUM
Efficacy of malathion on wheat grains against Trogoderma granarium Everts at constant temperatures.
12527

Amphibolus venator (Klug) (Hemiptera-Heteroptera)-a predator on insect pests of stored products.
12546

TROMBICULIDAE
Contribution to the study of ectoparasites of vertebrates in the Central African Republic.
12544

TRYPANOSOMA BRUCEI
Antigenic type of first relapse variants arising from a strain of Trypanosoma (Trypanozoon) brucei.
12783

TRYPANOSOMA CRUZI
Agar gel and immunoelectrophoretic analysis of several strains of Trypanosoma cruzi.
12772

Trypanosoma cruzi: Effects of gamma radiation on growth and infectivity.
12781

PAM 1392 (2,4-diamino-6-(3,4-dichlorobenzylamino) Quinazoline) as a Chemotherapeutic agent: Plasmodium berghei, P. cynomolgi, P. knowlesi, and Trypanosoma cruzi.
12803

TRYPANOSOMIASIS
Announcement of a map showing the distribution of Glossina in Eastern Cameroon.
12371

TRYPTOPHAN
Tryptophan is not assimilated in breathing by insects.
12531

TUBERCULOSIS
The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. I. Mycobacterium tuberculosis avium.
12779

TURF
Some important turf diseases.
12599

Illustration of a turf grass disease study helminthosporium leaf spot of creeping bentgrass.
12616

Weed control in turf.
12740

TURKEYS
Pigeon failure as vector of fowl cholera in turkeys.
12752

Ultraviolet inactivation and photoreactivation of avian viruses.
12765

Studies on the control of Mycoplasma meleagridis in turkeys.
12784

Experimentally induced Mycoplasma meleagridis infection of turkey reproductive tracts.
12787

Two different type A influenza virus infections in turkeys in Wisconsin II. 1968 outbreak.
12793

TURNIPS
Degradation of turnip yellow mosaic virus by freezing and thawing in vitroi A new method for studies on the internal organization of the viral components and for isolating native RNA.
12620

In situ breakage of turnip yellow mosaic virus RNA and in situ aggregation of the fragments. Analysis of successive stages.
12648

TYLENCHUS
About the specificity of Tylenchulus semipenetrans Cobb (Nematoda; Tylenchida) to several species of citrus roots.
12700

TYLOSIN
Studies on the control of Mycoplasma meleagridis in turkeys.
12784

Severe coccidiosis in a breeder flock following high-level medication for Mycoplasma and coccidia control.
12786

ULMUS
Rigidoporus ulmarius.
12644

ULTRA LOW VOLUME APPLICATIONS
Evaluation of multi-engine aircraft in the ULV application of dibrom.
12587

URETHANS
Product of catalyzing polyurethane formation by means of 2-mercaptobenzothiazoles,thiazoles, oxazoles, imidazoles and imidazolines. Patent 3,446,779.
12914

UROMYCES COSTARICENCIS
Uromyces costaricensis - A new report for the continental United States.
12629

USTILAGO MAYDIS
Formation of soruses and spore differentiations in Utilago maydis (DC.) Cda.
12621

VACCINES
The persistence of Mycoplasma mycoides in the host after vaccination with T1 broth vaccine.
12761

The effect of blockade and stimulation of the reticulo-endothelial system on the development of experimental tuberculosis. A histochemical study. II. Studies on Mycobacterium tuberculosis (BCG).
12778

VAGOIAVIRUS MELOLONTHAE
On the specificity of Vagoiavirus melolonthae.
12467

VANESSA
A large migration of the Australian painted lady butterfly, Vanessa kershawi (McCoy), to New Zealand.
12454

A note on Vanessa kershawi (McCoy) in Auckland. Presenting evidence of an unusual host plant.
12519

VARROA JACOBSONI
On two mites of economic importance in Japan (Arachnida: Acarina).
12349

VECTORS
Pigeon failure as vector of fowl cholera in turkeys.
12752

VEGETATION
Ecology of the mosquitoes in artificially irrigated meadows of Southern Moravia.
12503

VENEZUELAN EQUINE ENCEPHALITIS VIRUS
Arbovirus studies in south Florida, with emphasis on Venezuelan equine encephalomyelitis virus.
12579

VENOMS
The hymenopterous poison gland: Probable functions of the main glandular elements.
12416

VERMINOUS BRONCHITIS
Serological specificity of Dictyocaulus viviparus.
12758

VERNOLATE
Weed control in Sericea lespedeza.
12710

VERTEBRATES
Contribution to the study of ectoparasites of vertebrates in the Central African Republic.
12544

Symposium on the action of entomopathologic viruses and fungi on the vertebrates.
12895

VERTICILLIUM ALBO-ATRUM
The reactions of susceptible and resistant tomato cultivars to strains of Verticillium albo-atrum.
12639

VERTICILLIUM DAHLIAE
Evaluation of peanut (Arachis hypogaea) varieties for Verticillium wilt resistance.
12609

VIROLOGY
Cowbone ridge virus, a new Group B arbovirus from south Florida.
12578

Arbovirus studies in south Florida, with emphasis on Venezuelan equine encephalomyelitis virus.
12579

Pahayokee and Shark River, two new arboviruses related to Patois and Zegla from the Florida Everglades.
12582

Gumbo Limbo, a new Group C arbovirus from the Florida Everglades.
12585

VIRUS DISEASES (ANIMALS)
Cowbone ridge virus, a new Group B arbovirus from south Florida.
12578

Intracellular avian infectious bronchitis virus: Detection by fluorescent antibody techniques in nonavian kidney cell cultures.
12757

Viral encephalitis of equines and domestic ruminants in the Near East. Part II.
12760

Ultraviolet inactivation and photorcactivation of avian viruses.
12765

Diagnosis of classical swine plague and titration of antisera by passive hemagglutination.
12768

Passive transfer of resistance to Marck's disease.
12769

Growth curves in pig kidney cells of three porcine adenoviruses.
12774

Titration of infectious bronchitis virus in tracheas of susceptible and immune chickens.
12777

Syncytia formation of mosquito cell cultures mediated by type 2 dengue virus.
12800

Chicken-embryo-adapted duck hepatitis virus growth curve in embryonated chicken eggs.
12805

Immunity response to the infectious bursal agent.
12809

VIRUS DISEASES (PLANTS)
A note on barley mosaic in India.
12604

Tobacco mosaic virus in dividing mesophyll cells of Nicotiana.
12607

Relation of tobacco mosaic virus to the host cells.
12608

Tomato virus diseases in the Lithuanian SSR. 2. The method of group sampling.
12613

Vector-induced modifications in a plant virus.
12614

Inhibition of tobacco mosaic virus infectivity by the fungus Thielaviopsis basicola (Berk. Br.) Ferr..
12615

Virus particles in phloem exudate from Cucumis sativus L. after infection by Cucumis Virus 2 A.
12623

Pathological histology of corn and sorghum plants infected with maize dwarf mosaic virus and Sclerospora sorghi.
12632

The feeding sites in Sonchus oleraceus of Hyperomyzus lactucae, the aphid vector of lettuce necrotic yellows virus.
12635

Reactions of two precocious peach varieties to the elimination of ring spot viruses.
12659

Transmission of strains of raspberry ringspot and tomato black ring viruses by Longidorus elongatus (de Man).
12662

Identification of wheat viruses in Virginia.
12663

Epidemiology of cocksfoot mottle virus.
12664

VIRUS DISEASES PLANTS
In situ breakage of turnip yellow mosaic virus RNA and in situ aggregation of the fragments. Analysis of successive stages.
12648

VIRUS NEUTRALIZATION
Enhancement and inhibition of avian sarcoma viruses by polycations and polyanions.
12806

VIRUS 2
Virus particles in phloem exudate from Cucumis sativus L. after infection by Cucumis Virus 2 A.
12623

VIRUSES
Comparative resistance to sedimentation of three different strains of sigma virus of Drosophila.
12517

Entomology.
12688

Evidence of transovarial passage of the sowthistle yellow vein virus in the aphid Hyperomyzus lactucae.
12689

Method of preventing influenza viral infections. Patent 3,444,302.
12920

Amino substituted tricyclo (3.2.2.02,4)nonanes. Patent 3,444,199.
12927

VITAMIN A
Dermatophytes in veterinary practice.
12795

VOLUMETRIC ANALYSIS
Diagnosis of classical swine plague and titration of antisera by passive hemagglutination.
12768

Titration of infectious bronchitis virus in tracheas of susceptible and immune chickens.
12777

Attenuation of the hog cholera virus by continuous cell-virus propagation. III. Growth interference of Newcastle disease virus by attenuated hog cholera virus and its application to virus titration and the neutralization test.
12790

WAREHOUSES
Oinophila v-flava Haw. (Lep., Tischeridae) in a distillery warehouse.
12499

Hydroxy coumarins as rodenticide in warehouses.
12882

WATER
Factors influencing Aedes aegypti occurrence in containers.
12418

Need for immediate sugar and ability to withstand thirst by newly emerged Oriental fruit flies, and Mediterranean fruit flies untreated or sexually sterilized with gamma radiation.
12478

Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of Oriental fruit flies, melon flies, and Mediterranean fruit flies sexually sterilized with tepa or radiation.
12479

Chemical factors of water in tree holes and related breeding of mosquitoes.
12512

Studies on the bacterial diseases of Sudan crops. VIII. Survival and dissemination of Xanthomonas phaseoli (E.F.Sm.) Dowson.
12657

Immunization of chickens against Newcastle disease with beta-propiolactone-killed virus antigen administered in drinking water.
12797

WAXES
Compositions containing organotin metal carboxylate antimicrobials.
12921

WEATHER
Effect of winter precipitation and temperature on overwintering eggs of Northern and Western corn rootworms.
12432

Effect of simulated rainfall on herbicide performance.
12708

WEED CONTROL
Weed control in Sericea lespedeza.
12710

Weed control in a winter wheat-fallow rotation.
12711

Winged elm control with pieloram and 2,4,5-T with and without additives.
12720

Phytotoxicity and movement of amiben derivatives in soil.
12729

Response of oak and red maple to herbicides applied with an injector.
12742

Soil moisture and effectiveness of preemergence herbicides.
12743

Woody plant shoot management and response to herbicidal treatment.
12745

Compatibility of chemical and mechanical weed control methods.
12746

Effects of diehlobenil on two fishpond environments.
12889

WEEDS
Effect of time of giant foxtail removal from corn and soybeans.
12725

WHEAT
Race e, sixth race of the hessian fly, Mayetiola destructor, discovered in Georgia wheat fields.
12355

Black tipped wheat kernels in the indigenously grown Mexican varieties of wheat.
12596

Identification of wheat viruses in Virginia.
12663

A preliminary account of Macrosiphum miscanthi Takahashi on grasses and cereals in New Zealand.
12678

Weed control in a winter wheat-fallow rotation.
12711

WILDLIFE
The specificity of helminths from an ecological aspect.
12857

WILDLIFE DISEASES
Effectiveness of Maretin and Meldane as treatments for Capillariasis in bobwhites.
12825

WILT
Evaluation of peanut (Arachis hypogaea) varieties for Verticillium wilt resistance.
12609

Incidences of Pythium wilt of snap beans in Colorado.
12637

WINGED ELM
Winged elm control with pieloram and 2,4,5-T with and without additives.
12720

WOLMAN SALTS
Treating pine lumber with insecticide and preservative prevents tubing by subterranean termites.
12875

WOOD DESTROYING FUNGI
Rigidoporus zonalis.
12642

WOOL
Affecting the quality of wool in merino-sheep by artificial infestation with some gastro-intestinal nematodes, namely trichostrongyliodes.
12835

X-RAYS
X-ray radiation effects on survival and sterility of adults of the cereal leaf beetle.
12500

Conversion of a therapy X-ray unit for insect irradiations.
12933

XANTHOMONAS PHASEOLI
Studies on the bacterial diseases of Sudan crops. VIII. Survival and dissemination of Xanthomonas phaseoli (E.F.Sm.) Dowson.
12657

XENOPSYLLA CHEOPIS
Ecological and biological data on Synopsyllus fonquerniei Wagner and Roubaud, 1932 (Siphonaptera), a flea of the domestic rat in the region of Tananarive.
12484

Control of Oriental rat flea in Vietnam with diazinon dust.
12591

XYLEBORUS
Shot-hole borer of tea plant in Japan.
12475

YABA MONKEY TUMOR VIRUS
Suseeptibility of various strains of chicken to the oncogenicity of Yaba virus.
12798

YAMS
Effect of simulated rainfall on herbicide performance.
12708

YEASTS
Egg-yolk and olive juice as supplements to the yeast hydrolyzate-sucrose diet for adults of Dacus oleae.
12446

YELLOW MOSAIC VIRUS
Degradation of turnip yellow mosaic virus by freezing and thawing in vitroi A new method for studies on the internal organization of the viral components and for isolating native RNA.
12620

In situ breakage of turnip yellow mosaic virus RNA and in situ aggregation of the fragments. Analysis of successive stages.
12648

YELLOW VEIN
Evidence of transovarial passage of the sowthistle yellow vein virus in the aphid Hyperomyzus lactucae.
12689

YUZUHADA
Yuzuhada, a physiological disorder of oriental pear, and its possible relation to black-end and hard-end of Bartlett.
12656

ZINC PHOSPHIDE
Is the meadow vole responsible for reports of an increasing state rat population .
12881

ZINEB
Control of mango anthracnose by fungicides.
12873

ZOALENE
Severe coccidiosis in a breeder flock following high-level medication for Mycoplasma and coccidia control.
12786

ZOOGEOGRAPHY
Geographic distribution of Anopheles in the Republic of Congo (Brazzaville).
12332

New and little-known Indian craneflies (Tipulidae, Diptera) I.
12333

Tabanidae.
12336

The Tryphactothrips-complex in India, with a key to the world genera (Thysanoptera: Thripidae).
12339

The Anopheles claviger complex in the Mediterranean subregion.
12346

Culicoides mollis Edwards (Diptera: Ceratopogonidae) on Aitutaki Island, Cook islands.
12347

Note on the brown cockroach, Periplaneta brunnea, in Texas.
12348

On two mites of economic importance in Japan (Arachnida: Acarina).
12349

Tribal positions of Western Hemisphere green sweat bees, with comments on their nest architecture (Hymenoptera Halictidae).
12350

The age composition of Anopheles melas Theobald (1903) populations collected simultaneously by different methods in the Gambia, West Africa.
12352

Indian species of Scambus Hartig (Hymenoptera: Ichneumonidae).
12353

Contribution to the study of the distribution of Anopheles in West Africa.
12354

Ninth supplement to the catalogue of central European beetles.
12358

Acarina associated with Michigan Bombinae.
12359

The lectotype of Bruchus julianus.
12361

Report on some neotropical ant studies.
12362

Faunistic and ecological data on the fleas of Madagascar (Siphonaptera).
12363

Cisidae study IV.
12365

Notes on the subject of South American Culicidae. the distribution of the genus Haemagogus Williston, 1896, in South America.
12366

A new species of Kristotomus (Hymenoptera: Ichneumonidae) from India.
12367

The armored scale insects of Texas (Homoptera: Coccoidea: Diaspididae).
12368

Announcement of a map showing the distribution of Glossina in Eastern Cameroon.
12371

Taxonomic review, ecological and biological aspects of Diptera (Culicidae) living in the forest of Manera (Province of Kaffa) Ethiopia.
12373

Tabanidae of Cameroon. I. Description of new species.
12374

A review of the genus Hyperalonia rondani (Bombyliidae, Diptera) from South America.
12375

Notes on the morphology, taxonomy, and distribution of the Idiostolidae (Hemiptera-Heteroptera).
12384

Distribution of the corn earworm on St. Croix, U.S. Virgin Islands, and its relation to suppression programs.
12387

A new genus and species of Tydeidae (Acari : Prostigmata) from New Zealand.
12388

The black flies of Alabama (Diptera: Simuliidae).
12389

The black flies of Alabama (Diptera: Simuliidae).
12390

The discovery of a representative of the Ptomaphazinini in Cuba (with an outline of the systematics and the distribution of this tribe) (Coleoptera, Catopidae).
12392

Phlebotomus moucheti (Diptera Psychodidae), a new species caught in the eaves of Cameroon and in the Central African Republic.
12394

The shore flies of the genus Canaceoides cresson (Diptera: Canaceidae).
12398

A study of insects attacking Douglas-fir cones in eastern Montana and Yellowstone National Park, 1967.
12444

Ecological and biological data on Synopsyllus fonquerniei Wagner and Roubaud, 1932 (Siphonaptera), a flea of the domestic rat in the region of Tananarive.
12484

Notes on the biology of Anopheles hargreavesi (Evans), 1927, and Anopheles paludis Theobald, 1900, in the south of Yaounde (Cameroon), along the Nyong river.
12508

Practical implications of insecticide resistance in culicine mosquitoes.
12509

Iconography of the eggs of the Lepidotera fauna of Belgium.
12530

Stempellia scolyti (Weiser) comb. nov. and Nosema scolyti sp. n. microsporidan parasites of four species of Scolytus (Coleoptera).
12540

Entomological studies on the transmission of human malaria in a dense, humid forest zone, Sassandra region, Ivory Coast.
12580

A survey of the coffee tree nematode, Meloidogyne coffeicola, in the State of Sao Paulo.
12698

About the specificity of Tylenchulus semipenetrans Cobb (Nematoda; Tylenchida) to several species of citrus roots.
12700

The influence of the biotopes on helminth specificity.
12831

On the ubiquity of paramphistomaites in the ungulata.
12832

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12927

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12868

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12401

Abo-elghar, M R 12448, 12449
Abonnec, E 12394
Abonnenc, E 12331
Accrombessi, R 12580
Adam, J P 12332, 12342, 12354, 12577
Adams, C T 12589
Adams, T S 12501
Adeesan, C 12402
Adonajlo, A 12867
Adonatlo, A 12814
Afanasiev, Y I 12747
Agnihotri, V P 12910
Agrawal, N S 12596
Ahmed, Q A 12619
Aitken, T H G 12403
Alexander, C P 12333
Alves, M A R 12383
Ambrosic, F 12815
Ambrus, J L 12798
Amos, T G 12404
Ananthakrishnan, T N 12334, 12335
Anderson, W P 12703
Andrews, T L 12893
Angus, K W 12894
Antropova, E N 12417
Aradi, M P 12336
Archibald, R M 12859
Argaman, M 12748
Arlinghaus, R B 12749
Armour, J 12816
Ashton, F M 12704, 12730, 12886
Aslamkhan, M 12405
Aust, S D 12750
Awasthi, V B 12406
Aytan, S 12695
Azarlan, A G 12407
Azevedo, F J de 12817
Bailey, L 12408
Bailly-Choumara, H 12342
Baker, R H 12405
Baldwin, K F 12583
Balla, G A 12770
Banerjee, S K 12595
Banks, C J 12409
Bar-Joseph, M 12615
Baran, M 12552
Barker, J S F 12560, 12561
Barlow, R M 12894
Barnes, J R 12410
Barrentine, W L 12738
Bassl, M 12611
Batth, S S 12874
Baur, J R 12707
Bayles, A 12803
Beal, R H 12875
Beardmore, J A 12337
Beaver, R A 12411
Bechtel, R C 12344
Beck, C C 12788
Bedard, W D 12424
Beger, H W 12705
Bekhli, A F 12896
Benedek, P 12338
Bennett, M 12871
Berger, R S 12558
Berliner, J P 12911
Bernon, G L 12412
Betto, E 12611
Bevier, G A 12468
Beyon, K I 12887
Bhalla, S C 12559
Bhatla, S K 12413
Bhatnagar, G C 12628
Bhattacharya, A 12493
Bhatti, J S 12339
Bhowmik, H K 12340
Bierleln, D L 12935
Bilek, A 12414
Birova-volosinovicov 12818
Bisht, D S 12415
Biswal, L 12878
Biswas, A C 12619
Bitakaramire, P K 12819
Blackburn, R D 12706
Blair, S 12631
Blake, A J 12587
Blanco, H G 12898
Blazquez, C H 12597
Blickenstaff, C C 12341
Blum, M S 12416
Bogdanov, Y F 12417
Bohl, E H 12784
Bona, A de 12698
Bond, H A 12418
Boney, W A 12797
Boorman, J P T 12534
Bordenca, C 12912
Bordes, E S 12587
Bosch, L 12648
Botero, H 12751
Boulanger, L W 12419
Bouychou, J G 12598
Bovet, R W 12707
Bovey, R W 12708, 12709
Bower, C A 12638
Bowman, M C 12387, 12934
Boyle, A M 12655
Braude, M B 12896
Braun, B H 12533, 12539
Brengues, J 12354, 12420, 12580
Brian, M V 12421
Britton, M D 12599
Brooks, G T 12422, 12423
Broquist, H P 12750
Brown, E B 12696
Brown, G E 12636
Brown, J 12752, 12824, 12825
Brown, L R 12667
Brown, W L 12362
Browne, L E 12424
Brunhes, J 12342, 12343, 12425
Bruns, V F 12735
Brusven, M A 12426
Bryant, P J 12427
Buchanan, G A 12710
Buchwalder, R 12820
Buck, F D 12428
Buffam, P E 12429
Burk, L G 12721
Burkholder, W E 12472
Burkowicz, A 12600
Burnell, R E 12880
Burns, E C 12812
Burns, E R 12710
Burnside, O C 12711, 12729, 12888
Burton, Rl 12556
Bush, G 12430
Buteau, G H 12821
Butler, J D 12740
Bwangamoi, O 12819
Byrde, R J W 12601
Byrne, H D 12431
Cabasso, V J 12753
Calisher, C H 12578, 12585
Calkins, C O 12432
Callahan, L M 12712
Campacci, C A 12651
Cantelo, W W 12387
Caplinsky, B 12754
Carcavallo, R U 12366
Carey, W E 12500
Carlson, V L 12780
Carmichael, G T 12587
Carson, H L 12562
Cartwright, J 12601
Castro, L M C de P 12602
Caubel, G 12697
Chamberlain, W D S 12579
Chamhers, T C 12635
Chan, K L 12433
Chandler, R L 12755
Chang, F Y 12713
Chang, P W 12776
Chapin, J B 12812
Chapman, H C 12344, 12512
Chaudhary, L B 12686
Chaulet, G 12584
Chauvet, G 12434, 12435
Chiang, H C 12345, 12520
Chippaux, A 12544
Chiriboga, J 12781
Chong, W S 12542
Chowdhuri, A N 12668
Cintra, A F 12698
Cironeanu, I 12756, 12822
Ciuniene, E 12823
Clancy, D W 12436
Clark, D T 12788
Clark, P H 12437
Clever, U 12524
Clifford, D R 12603
Cohle, H D 12745
Cochran, D G 12572
Coggiola, I M 12870
Cole, M M 12437
Coleman, P H 12578, 12579, 12582, 12585
Colon, J I 12781
Coluzzi, M 12346, 12438
Colwill, R J 12774
Combs, R L 12813
Cooper, D P 12522
Cope, O B 12889
Coplen, R R 12930
Coria, M F 12757
Cornwell, R L 12758
Counter, B F 12637
Cowan, K M 12759
Coz, J 12354, 12434, 12580
Crafts, A S 12714
Craig, G B 12452, 12569
Criley, R A 12899
Cronshaw, J 12608
Cruz, B P B 12610
Cummins, L C 12561
Cummins, L J 12560
Cunningham, I C 12715
Curi, S M 12698
Cymborowski, B 12439
Cymorek, S 12440
Dange, S R S 12869
Das, N D 12654
Daubney, R 12760
Davidson, G 12435
Davie, J 12578
Davies, G 12761
Davis, L D 12656
Davis, R B 12752, 12786, 12824, 12825
Dawe, D L 12752, 12825
Dawes, B 12826
Day, B E 12716
De Basaldua, D R 12441
De Crouzel, I S 12441
Deacon, A C 12603
Deeb, B J 12762, 12763
Deibel, R H 12472
Del Vecchio, R 12811
Demidov, N V 12764
Derfer, J M 12912
Deshmukh, D R 12765
DeVoe, R D 12442, 12443
Dewey, J E 12377, 12444
Dhanraj, K S 12604
Di Conza, J J 12827
Diaz-Colon, J D 12708
Diaz, R 12766, 12767
Dickens, L E 12637
Dickerson, O J 12695
Dixon, G R 12639
Dmitrienko, N K 12581
Doherty, P C 12894
Domingo, C E 12711
Dorais, F J 12828
Double, R C 12913
Dowler, C C 12718
Downs, W G 12403
Drew, J V 12888
Dronka, K 12526
Du, T V 12768
Duggal, S P 12596
Duke, W B 12719
Dumbleton, L J 12347
Dunnkley, L C 12829
Durkee, A B 12904
Dutkowski, A 12445
Dymovska, Z 12814
Dziuban, M 12830
Eads, C O 12667
Economopoulos, A P 12446
Eddleman, D 12348
Edwards, M J 12887
Ehara, S 12349
Ehrhardt, P 12447
Eickwort, G C 12350
Elkenhary, R D 12379
Elsikowitch, D 12453
Elbadry, E A 12448, 12449
Elgar, K 12887
Eller, L 12889
Elmes, G 12421
Elwell, H M 12720
Emerson, F G 12793
Engel, R E 12712
Enroe, W D 12526
Eouzan, J P 12450
Erhardova-Kotrla, B 12831
Erwin, D C 12605, 12606
Esad, K 12607
Esau, K 12608
Esch, G W 12828
Evans, K 12451
Every, R W 12676
Eyraud, M 12354, 12580
Fairbairn, D 12821
Fall, M W 12881
Farr, M L 12594
Favali, M A 12611
Fay, R W 12418, 12452
Feldbush, T L 12769
Feliciangeli, E D 12346
Felix, J K 12472
Fellig, J 12410
Fenster, C R 12711, 12888
Ferrara, L 12450
Fieldgate, D M 12601
Fields, B N 12582, 12585
Finelli, A F 12914
Finney, J W 12770
Flake, H W 12429
Foy, C L 12730, 12886
Frank, Z R 12609
Frans, R E 12731
Franz, J E 12915
Frazza, E J 12753
Fredericks, G J 12883
Freed, V H 12902
Freeman, G H 12634
Frenhani, A A 12610
Furmaga, S 12856
Futrell, M C 12632
Gair, R 12699
Galil, J 12453
Gancarz, Z 12867, 12814
Garcia, R D 12507
Gariou, J 12371
Garms, R 12487
Gentner, W A 12721
Germain, C J 12429
Gerola, F M 12611
Ghosa, S K 12386
Ghosh, A K 12351
Gibbs, G W 12454
Giglioli, M E C 12352, 12455
Gill, R H 12607
Gilpatrick, J D 12612
Giorgi, G 12811
Girish, G K 12876
Glancey, B M 12583
Glass, E H 12669
Glebski, J 12771
Goldin, M 12613
Gonzalez-Cappa, S M 12772

Good, R E 12824
Goodman, N S 12456
Goodman, R N 12600
Gordon, H T 12469
Gottfried, R J 12456
Gould, H J 12670
Graham, C W 12670
Gratz, N G 12457
Gray, R A 12722
Grenier, P 12434, 12588
Gretillat, S 12832
Grewal, S S 12834
Griffin, D M 12631
Griffiths, D C 12671
Grjebine, A 12588
Grundmann, A W 12549
Guerra, A A 12507
Guilhon, J 12833
Gunderson, R R 12723
Gunther, F A 12673
Gupta, C S 12458
Gupta, N K 12834
Gupta, V K 12353
Guss, P L 12459
Haberman, S 12770
Hagin, R D 12727, 12728
Hagopian, M 12460
Halfhill, J E 12690
Hall, W T K 12773
Hamon, J 12354, 12391, 12563, 12580, 12584
Hanaki, T 12790
Hanks, G D 12564
Hansen, M F 12782
Harpaz, I 12614, 12615
Harrell, E A 12934
Harris, C I 12739
Harrison, A 12422, 12423
Harrison, F P 12461
Harvey, P N 12699
Hasek, R F 12885
Hassan, S M 12448
Hassell, M P 12462
Hatchett, J H 12355
Hayflick, L 12796
Hays, R L 12463
Hays, S B 12463
Heagy, J A 12890
Healy, M J 12616
Heipe, T H 12835
Heller, F 12356
Henderson, B E 12582, 12585
Henderson, W M 12774
Hendrikson, P A 12524
Hensley, S D 12672
Herbert, W J 12783
Hermann, H R 12416
Hewlett, P S 12464
Hibbitt, K G 12775
Hill, A R C 12892
Hinesly, T D 12743
Hoenigsberg, H F 12565
Hoffman, S 12704
Hogue, E J 12724
Holan, G 12916
Holgate, M E 12603
Holliday, P 12617
Holman, J 12357, 12409
Holmsen, T W 12900
Holstein, M 12354
Honing, F W 12444
Horino, Y 12651
Horion, A 12358
Horst, R K 12618
Horvorka, J 12836
Hsiao, C 12465
Hsiao, T H 12465
Huelin, F E 12870
Huggans, J L 12341
Hunter, A S 12466
Hurpin, B 12467, 12895
Husband, R W 12359
Huynh, C 12922
Ilnicki, R D 12712, 12732
Insalata, N F 12883
Irwin, C K 12933
Ishag, F 12657
Ishihara, T 12360
Ishii, S 12548
Ivashkin, B M 12858
Jacobson, M 12471
Jagadish, A 12334, 12335
Jakob, W L 12468
James, H A 12885
Jao, L T 12469
Jaron, W 12837, 12838
Jasty, V 12776
Jayakar, S D 12470
Jeervaratnam, A J 12901
Jennings, F W 12816
Jeppson, L R 12673
Jha, R K 12839
Jiminez-Millan, F 12700
Johnson, A D 12853
Johnson, C D 12361
Johnson, R B 12777
Johnston, F B 12904
Johnston, J G 12579
Johnston, L A Y 12773
Jolliffe, V A 12716
Jones, L M 12766, 12767
Jones, W A 12471
Jordan, L S 12716
Jordan, V W L 12601
Joshi, B G 12674
Jotwani, M G 12675, 12691, 12877
Julseth, R M 12472
Juranyi, R 12840
Kahir, M Q 12619
Kadoum, A M 12473
Kagan, I G 12772
Kamm, J A 12676
Kaneda, T 12474
Kaneko, T 12475
Kangas, E 12476
Kaper, J M 12620
Karatygin, I V 12621
Katiyar, R N 12691
Kawase, E 12360
Keaton, J A 12745
Keirans, J E 12477
Keiser, I 12478, 12479
Kelley, A D 12735
Kellogg, F E 12825
Kelly, A F 12421
Kempf, W W 12362
Kenaga, E E 12917
Kendall, S B 12841
Kenny, G E 12762, 12763
Khan, M A Q 12480
Khlistovsky, E D 12481
Khouri, R H 12842
Kilany, S M 12448, 12449
Killough, R A 12482
King, P E 12483
Kirby, A H M 12622, 12871
Kirk, J M 12432
Klein, J M 12363, 12484
Klein, M 12614
Kluge, M 12623
Knake, E L 12725, 12743
Knerer, G. 12485
Kock, D 12486
Kohn, G K 12918
Komatsu, N 12919
Konopleva, T K 12896
Koren, E 12886
Kormendy, C G 12920
Kothari, K L 12624, 12869
Kotz, J 12778, 12779
Koudela, K 12843
Kozar, M 12844
Kozar, Z 12844
Krehill, R G 12625
Kreier, J 12810
Kreier, J P 12801
Krikun, J 12609
Krotov, A I 12896
Krzminska, A A 12541
Kuhlow, F 12487
Kulshreshtha, J P 12691
Kumar, K 12537
Kundu, G G 12677
Kurashvili, B E 12845
Lagace, C F 12488
Lang, K 12884
Lanphear, F O 12726
Laven, H 12566
Lavy, T L 12729
Law, M W 12533, 12539
Le Berre, R 12489
Leahy, M G. 12490
Leclercq, M 12364
Leehrick, J R 12921
Leonard, K J 12626
Leong, D 12766
LeRoux, E J 12433
Liapunova, N A 12417
Linscott, D L 12727, 12728
Linscott, J J 12729
Linzen, B 12531
Liu, T S 12780
Lloyd, E P 12547
Lofgren, C S 12583, 12590
Lofty, J R 12671
Lohse, G A 12365
Long, W H 12672
Lopez D, F 12928
Lopez, V A 12781
Lord, R D 12578
Lordello, L G E 12698
Lotlikar, P D 12902
Lowe, M L 12490
Lowe,a D 12678
Luhke, R 12846
Lukefahr, M J 12507, 12903
Lumsden, W H R 12783
Lysek, H 12847
Maag, T A 12769
Macaulay, E D M 12409
Macdonald, W W 12586
Machado, W C 12587
Macik, B S 12808
MacNulty, B J 12491
Macy, R M 12567
Magalhaes, A C 12730
Mahto, Y 12413
Maitland, P S 12492
Maitlen, J C 12690
Majumdar, N 12493
Mallams, J T 12770
Mandel, M 12648
Mannering, J L 12842
Mantle, P G 12627
Martel, J 12922
Martinez-Silva, R 12781
Martinez, A 12366
Mason, G F 12568
Mason, W R M 12367
Mathias, P L 12699
Mathur, R L 12628
Matthews, F D 12629
Mattingly, P F 12494
Maxwell, F G 12903
McClellan, E S 12482
McCraren, J P 12889
McCullough, Brother 12495
McDaniel, B 12368
McDaniel, J L 12731
McDougald, L R 12782
McGugan, W A 12904
McIver, S B 12496
McLachlan, R A 12679, 12680
McMillan, W W 12555
McMillian, W W 12556
McNeillage, G J C 12783
McWilliams, J G 12589
Medler, J T 12400
Medzevicius, A K 12848
Mehra, R B 12685
Mesghali, A 12372
Mettrick, D F 12829
Mikacic, D 12849
Miller, F R 12709
Miller, L T 12776
Mims, I S 12463
Minson, K L 12497
Miskus, R P 12893
Misloczky, M 12840
Mitrovic, M 12410
Mituch, J 12850
Miyatake, Y 12369
Modi, B N 12521
Mohamed, Y S 12784
Mohr, K H 12370
Molot, P 12630
Monro, J 12498
Mookherjee, P B 12877
Moorthy, G V 12691
Morgan, N O 12515
Morrison, B 12499
Morse, M D 12734
Morton, H L 12707
Mouchet, J 12371, 12374, 12584, 12588
Mount, G A 12589
Moxham, J W 12842
Mulhern, T D 12930
Munro, D A 12789
Murant, A F 12662
Myser, W C 12500
Naik, S M 12628
Nair, N G 12631
Naqvi, N Z 12632
Nashed, R B 12732
Navai, S 12372
Neel, Ww 12681
Neill, D 12775
Nelson, D R 12501
Nelson, P E 12618
Nemeseri, L 12851
Neri, P 12373
Netzer, D 12733
Newallis, P E 12923
Newhouse, V F 12579
Newman, J A 12777
Nilbert, H 12502
Nkers, A H 12403
Nohuto, K 12790
Nomine, G 12922
Novak, D 12503
Nutman, F J 12633, 12634
O'Bannon, J H 12702
O'Loughlin, G T 12635
O'Meara, G F 12569
Oberbacher, M F 12636
Odening, K 12852
Odhiambo, T R 12504
Oelke, E A 12734
Ogg, A G 12735
Oksanen, H 12476
Olson, D C 12505
Olson, W P 12591
Olszewski, B 12803
Olumbe, J W K 12736
Osborn, A W 12506
Oshima, N 12637
Ouellette, C A 12799
Ouye, M T 12507
Ovazza, M 12374
Padula, A L 12419
Painter, E M 12375
Painter, R H 12375
Pajot, F X 12376, 12508
Pal, R 12509
Pant, N C 12415, 12677
Parkening, T A 12853
Parker, B L 12377
Parui, P 12380
Paterson, H E 12570
Patton, R L 12551
Paul, F J 12800
Paulech, C 12650
Pawlowski, Z 12854
Peacher, P H 12638
Pegg, G F 12639
Pegler, D N 12640, 12641, 12642, 12643, 12644, 12645

Peifer, F W 12694
Peking, F 12510
Pence, R J 12511
Penner, D 12704
Peries, O S 12646
Perry, J J 12647
Perttunen, V 12476
Pessanha, B M R 12651
Petersen, J J 12512
Pettit, B J 12513
Phadnis, N A 12692
Phillips, W M 12891
Pianka, M 12514
Pickens, L G 12515
Pickren, J W 12798
Pierce, N W 12590
Pingale, S V 12876
Pipa, R L 12516
Pley, C W A 12648
Plus, N 12517
Poapst, P A 12904
Polatnick, J 12749
Polovinchik, R L 12896
Pomeroy, B S 12765
Pomonis, J G 12501
Ponnappa, K M 12649
Popovici, V 12756
Pospisil, J 12518
Powers, W J 12378
Prakash, S 12571
Priehradny, S 12650
Prikhodko, E T 12581
Pritchard, E D 12519
Prokopic, J 12855
Przyjalkowski, Z W 12785
Race, G J 12770
Radford, P 12775
Rageau, C 12592
Rahalkar, G W 12402
Rai, K S 12535
Ram, S 12682
Raney, H G 12379
Rao, A M 12536
Rao, K R 12380
Rao, R S N 12674
Raros, R S 12520
Rasch, E M 12513
Rasch, R W 12513
Rasmussen, D 12345
Rathhurn, C B 12929
Rathore, Y S 12683
Rauch, H 12381
Rawat, R R 12521
12683
Raychaudhuri, S P 12604
Raychoudhuri, D N 12351
Razin, S 12748
Rees, D M 12549
Reger, J F 12522
Reid, W M 12751
12786
Remmert, L F 12902
Rezende, L O C 12651
Rhoades, K R 12787
Richards, A B 12703
Richards, D 12523
Richards, J G 12483
Richardson, M 12788
Richter, S B 12911
Rickenbach, A 12354
12450, 12544
Ries, S K 12741
Rinehart, K L 12750
Rings, R W 12505
Ristic, M 12801
Ritchie, A E 12797
Roane, C W 12663
Rohert, P 12467
Roberts, F M 12633
12634
Roherts, P F 12671
Robertson, S M 12793
Rodems, A E 12524
Rodgers, E G 12737
Rodin, J O 12424
Roesler, U 12382
Rogers, P F 12652
Rogoff, M H 12456
Ross, M H 12572
Rotem, J 12653
Rout, G 12878
Roy, A K 12654
Ruhaj, B 12856
Ruhle, J A 12792
Ruhzov, I A 12525
Rudinsky, J A 12532
Ruedy, D D 12793
Rumanowski, E J 12923
Rush, M C 12655
Rysavy, B 12857
Ryugo, K 12656
Sabet, K A 12657
Sahine, B N E 12684
Sacca, G 12346
Sahu, S P 12789
Saini, M L 12527
Salavin, R J 12441
Sales, S 12354
12420, 12563, 12580
Salomao, T A 12658
Sammuel, E L 12916
Samochuwiec, E 12811
Sannasi, A 12528
Sarai, J S 12527
Sardesai, J B 12529
Sarlet, L G 12530
Sartor, C F 12681
Sato, U 12790
Sauaia, h 12383
Saunier, R 12659
Savage, K E 12738
Saxena, D K 12683
Schaefer, C W 12384
Schartau, W 12531
Schmidt-Koehl, W 12385
Schneider, E L 12478
12479
Schneider, I 12532
Schneiderman, H A 12427
Schoot, C J 12924
Schreiher, L R 12660
Schuarz, M 12539
Schwarz, M 12533
Sciaroni, R H 12885
Scoggan, A C 12426
Scott, G C 12671
Seam, J C 12668
Sederoff, R 12573
Segers, L G 12508
Sela, I 12615
Selman, F L 12746
Service, M W 12534
Shannon, G M 12907
Sharma, V P 12535
Sharples, R O 12871
Shcherhakov, E S 12574
Sheets, T J 12739
Shenherg, E 12791
Sherman, I W 12792
Sherudilo, A I 12417
Shotwell, O L 12907
Shrestha, S L 12536
Shukla, D S 12685
Shukla, G S 12537
Shutak, V G 12905
Siherg, R A 12620
Silberschmidt, K M 12658
Silveira, A P da 12610
Silverstein, R M 12424
Simkunas, R 12613
Simon, D 12348
Singh, A 12595
Singh, B B 12873
Singh, K G 12661
Singh, R 12686
Singh, R K 12386
Singh, S P 12685
Singh, T P 12686
Sircar, P 12877
Sirohi, G S 12685
Sisson, V 12345
Sjogren, R D 12930
Skelly, J M 12665
Skryahine, A A 12858
Slade, P 12925
Slife, F W 12725
12740, 12744
Smart, N A 12892
Smith, A E 12925
Smith, H J 12859
Smith, J W 12739
Smithies, L K 12793
Smyser, C F 12794
Smyth, J D 12839
Snoddy, E L 12389
12390
Snoeyenbos, G H 12780
12794
Snow, J W 12387
So, D T 12768
Sobieszewski, K 12860
Sobolev, A A 12858
Sokal, R R 12575
Soleimani, A 12906
Soltys, M A 12795
Sommerman, K M 12538
Sonleitner, F J 12575
Sonnet, P E 12533
12539
Sotter, G R 12687
Spain, A V 12388
Spence, L 12403
Spiro, D 12460
Spitler, G H 12879
Spurway, H 12470
Srivastava, K M 12675
Srivastava, M P 12872
Stanhridge, E 12796
Stanton, G E 12419
Stebhins, M R 12753
Stelter, H 12701
Stephenson, G R 12741
Sterrett, J P 12742
Stickler, R L 12743
Stone, A 12389
12390, 12391
Stone, H D 12797
Strandstrom, H V 12798
Strout, R G 12799
Stubblefield, R D 12907
Styczynska, B 12541
Subra, R 12354
12563, 12580
Sucoff, E I 12908
Sudia, W D 12579
Suitor, E C 12800
Sumner-Smith, G 12795
Sunga, F C A 12883
Surlikar, V V 12546
Suter, C A 12914
Suzuki, T 12931
Swanson, C R 12909
Swanson, H R 12909
Swietlikowski, M 12861
Sylvester, E S 12689
Szepelski, L 12862
Szilvassy, I P 12801
Szuher, T 12897
Szymczako Ski, W. 12392
Takenaga, T 12932
Talens, J 12648
Tamaki, G 12690
Tamhankar, A J 12402
Tammemagi, L 12773
Tan, K M 12542
Tandon, I N 12873
Tandon, R N 12872
Tanner, G D 12543
Tarczynski, S 12862
Tarjan, A C 12702
Taufflieh, R 12544
Tauraso, N M 12802
Taylor, A E R 12863
Taylor, C E 12662
Taylor, J L 12545
Tembe, V B 12546
Teschner, D 12393
Thim Ijan, R W 12515
Thuhhi, V V 12691
Thompson, 12666
Thompson, D L 12626
Thompson, L 12744
Thompson, P E 12803
Tigerstedt, P M A 12576
Tikar, D T 12353
Tilden, P E 12424
Timoney, J 12804
Ting, I P 12792
Tingle, F C 12547
Tolin, S A 12663
Tomar, D P S 12685
Tomida, I 12548
Tomutia, H 12822
Toromanoff, E 12922
Toth, T E 12805
Toyoshima, K 12806
Tripathy, H M 12878
Tsai, Y H 12549
Tumlin, J T 12824
Tyshchenko, V P 12407
Tzanakakis, M E 12446
Uilenberg, G 12363
Unger, V H 12926
Upasani, E R 12692
Upchurch, R P 12745
12746
Upstone, M E 12664
Urquhart, G M 12816
Uspenskaya, N V 12481
Vaartaja, O 12910
Van Emden, H F 12693
Van Roekel, H 12794
Vanden Born, W H 12713
Vardaman, T H 12807
Vattier-Bernard, G 12394
Vattier, G 12550
Velasco, J F M 12928
Venard, P 12343
Verma, K C 12808
Vilagiova, I 12864
Vincke, I H 12593
Viray, M S 12511
Vishwamhharan, P R 12882
Vogt, P K 12806
Voss, E 12395
Wakabayashi, 12533
Wakabayashi, N 12539
Walker, T J 12396
Wang, C M 12551
Ware, G W 12933
Watanabe, S 12865
Waterhouse, F L 12404
Waterston, J M 12640
12642, 12643, 12644, 12645
Watertown, J M 12641
Wee, Y C 12542
Weidhaas, D E 12437
Weierich, A J 12722
Weigl, D R 12658
Weissmann, L 12552
Weldon, L W 12706
Wescott, R B 12785
Westlake, W F 12673
White, E G 12553
White, N A 12631
White, P F 12706
Whiting, P W 12567
Whitney, J G 12927
Whitworth, B T 12536
Whitworth, J W 12703
Wicks, G A 12888
Wilcox, D 12384
Wilde, G E 12554
Wilkerhauser, T 12866
Wills, F K 12777
Wilson, J B 12766 12767
Wiltshire, E. P. 12397
Winterfield, R W 12809
Wirth, W W 12398
Wiseman, B R 12555
12556
Witzeman, S J 12883
Wood, F A 12665
Woudcock, D 12601
Work, T H 12578
12579, 12582, 12585
Wratt, E C 12557
Wright, A N 12887
Wright, R H 12810
Wygodzinsky, P 12399
Yadav, A S 12596
Yadav, T D 12877
Yates, V J 12776
Yeatch, C 12736
Yoder, H W 12807
Yonke, T R 12400
Young, J R 12934
Young, S Y 12558
Yurkiewicz, W J 12559
Zapart, V 12814
Zapart, W 12867
Zardi, O 12811
Zentmyer, G A 12666
Zmoray, I 12868
Zukovic, M 12866
Zuska, J 12401
Zwick, R W 12694

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Health Services and Mental Health Administration
12578, 12579, 12585
National Institutes of Health
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12365, 12395
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Sao Paulo. instituto Biologico
12610, 12658
Slovenka Akademia vied
Helmintologicky ustav, Bratislava
12700, 12756, 12817, 12820, 12822, 12830 12833, 12838, 12843, 12848, 12849
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Surrey. commonwealth Mycological Institute
12640, 12641, 12643, 12644
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